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STM32 32-bit Arm Cortex MCUs

The STM32 family of 32-bit microcontrollers based on the Arm Cortex -M processor is designed to offer new degrees of freedom to MCU users. It offers products combining very high performance, real-time capabilities, digital signal processing, low-power / low-voltage operation, and connectivity, while maintaining full integration and ease of development.

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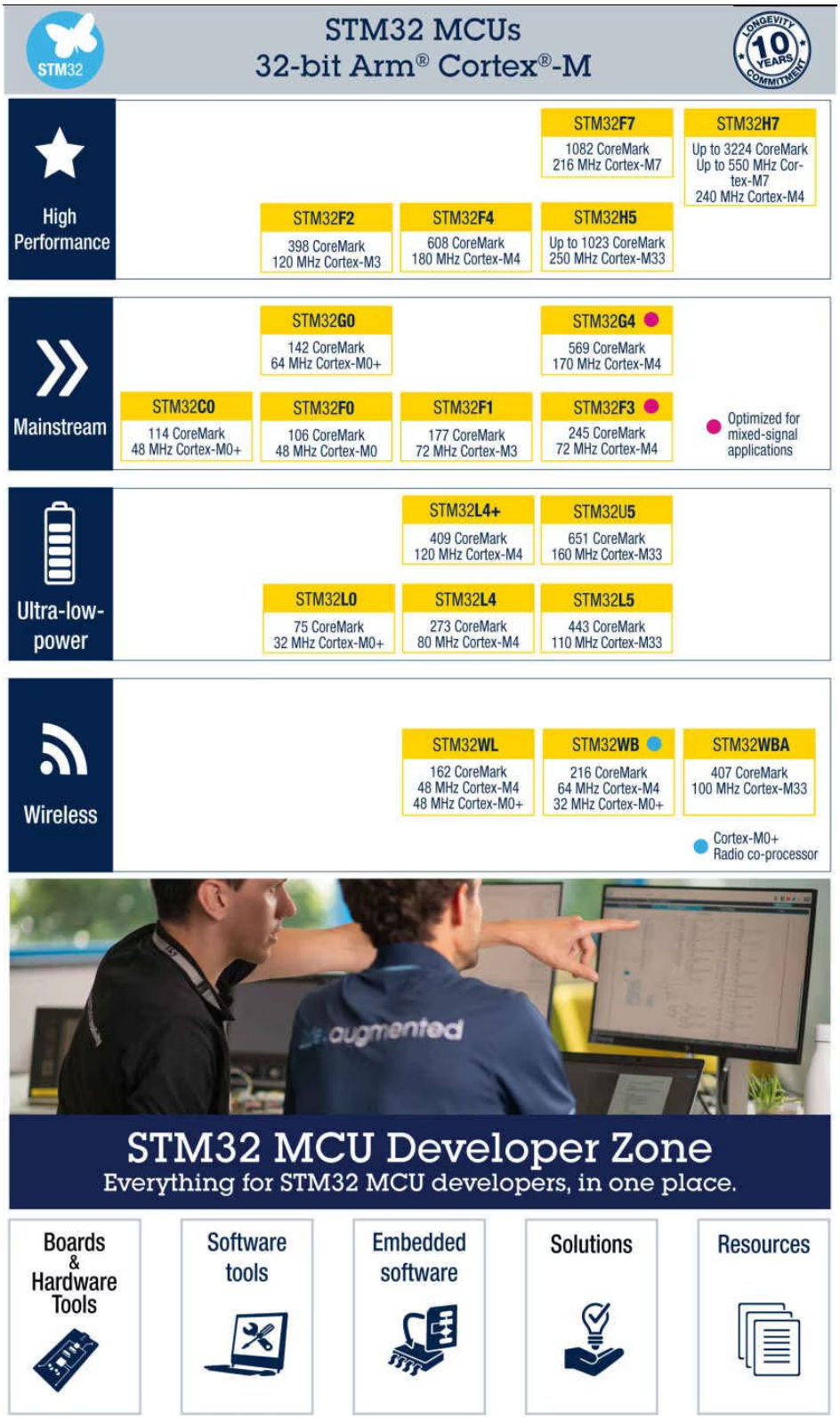

Microcontrollers & Microprocessors / STM32 32-bit Arm Cortex MCUs/STM32 High Performance MCUs

Part Number	General Description	Package	Core	Operating Frequency (MHz)	FPU	Co-Processor type	Co-Processor frequency (MHz) max	L1 Cache (kB) typ	Flash Size (kB) (Prog)	Dual-bank Flash	RAM Size (kB)	ITCM/DTCM RAM (kB)	Advanced Motor Control Timers	Timers (16-bit) typ	Timers (32-bit) typ	Other timer functions	A/D Converters 12-bit		A/D Converters 16-bit		D/A Converters (12-bit) typ	Comparator	I/Os (High Current)	Display controller	Graphic accelerator	CAN (FD)	CAN (2.0)	I2C typ	I3C typ	SPI typ	I2S typ	USART typ	UART typ	Integrated op-amps	Additional Interfaces	External Memory Interfaces	USB Type	Cryptography	Security Functions	Ethernet	Ethernet ports typ	SMPS	Supply Voltage (V) min	Supply Voltage (V) max	Supply Current (µA) (@ Lowest Power) typ	Supply Current (µA) (Run Mode (per MHz)) typ	Operating Temperature (°C) min	Operating Temperature (°C) max
																	Number of A/D Converters typ	Number of Channels typ	Number of A/D Converters typ	Number of Channels typ																												
STM32F205RB	High-performance Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	120	-	-	-	-	128	false	64	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	0	51	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F205RC	High-performance Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	120	-	-	-	-	256	false	96	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	51	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F205RE	High-performance Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 64 10x10x1.4 mm,WLCSP 66 4x3.7x0.6 P 0.4 mm	Arm Cortex-M3	120	-	-	-	-	512	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	51	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F205RF	High-performance Arm Cortex-M3 MCU with 768 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	120	-	-	-	-	768	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	51	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F205RG	High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 64 10x10x1.4 mm,WLCSP 66 4x3.7x0.6 P 0.4 mm	Arm Cortex-M3	120	-	-	-	-	1024	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	51	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F205VB	High-performance Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	128	false	64	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F205VC	High-performance Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	256	-	96	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F205VE	High-performance Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	512	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F205VF	High-performance Arm Cortex-M3 MCU with 768 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	768	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F205VG	High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	1024	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F205ZC	High-performance Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	120	-	-	-	-	256	-	96	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F205ZE	High-performance Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	120	-	-	-	-	512	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F205ZF	Hig-performance Arm Cortex-M3 MCU with 768 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	120	-	-	-	-	768	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F205ZG	High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	120	-	-	-	-	1024	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F207IC	High-performance Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M3	120	-	-	-	-	256	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F207IE	High-performance Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M3	120	-	-	-	-	512	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F207IF	High-performance Arm Cortex-M3 MCU with 768 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M3	120	-	-	-	-	768	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F207IG	High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M3	120	-	-	-	-	1024	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F207VC	High-performance Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	256	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F207VE	High-performance Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	512	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F207VF	High-performance Arm Cortex-M3 MCU with 768 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	768	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F207VG	High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	1024	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F207ZC	High-performance Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	120	-	-	-	-	256	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F207ZE	High-performance Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	120	-	-	-	-	512	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F207ZF	High-performance Arm Cortex-M3 MCU with 768 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	120	-	-	-	-	768	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F207ZG	High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	120	-	-	-	-	1024	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F215RE	High-performance Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, HW crypto	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	120	-	-	-	-	512	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	51	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Crypto Engine	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F215RG	High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator, HW crypto	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	120	-	-	-	-	1024	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	51	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Crypto Engine	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F215VE	High-performance Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, HW crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	512	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Crypto Engine	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F215VG	High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator, HW crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	1024	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Crypto Engine	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F215ZE	High-performance Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, HW crypto	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	120	-	-	-	-	512	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Crypto Engine	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F215ZG	High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator, HW crypto	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	120	-	-	-	-	1024	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Crypto Engine	-	-	-	1.8	3.6	2.5	188	-40	105,85
STM32F217IE	High-performance Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet, HW crypto	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M3	120	-	-	-	-	512	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Crypto Engine	-	-	-	1.8	3.6	2.5	188	-40	85
STM32F217IG	High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet, HW crypto	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M3	120	-	-	-	-	1024	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Crypto Engine	100Mbps (IEEE 1588)	1	-	1.8	3.6	2.5	188	-40	105,85
STM32F217VE	High-performance Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet, HW crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	512	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Crypto Engine	100Mbps (IEEE 1588)	1	-	1.8	3.6	2.5	188	-40	85
STM32F217VG	High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet, HW crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	120	-	-	-	-	1024	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Crypto Engine	100Mbps (IEEE 1588)	1	-	1.8	3.6	2.5	188	-40	85
STM32F217ZE	High-performance Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet, HW crypto	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	120	-	-	-	-	512	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Crypto Engine	100Mbps (IEEE 1588)	1	-	1.8	3.6	2.5	188	-40	105,85
STM32F217ZG	High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator, Ethernet, HW crypto	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	120	-	-	-	-	1024	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	2	-	3	2	4	2	-	Ethernet,SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Crypto Engine	100Mbps (IEEE 1588)	1	-	1.8	3.6	2.5	188	-40	85
STM32F401CB	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 128 Kbytes of Flash memory, 84 MHz CPU, ART Accelerator	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	84	Single-precision FPU	-	-	-	128	-	64	-	-	6	2	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	36	-	-	-	-	3	-	3	2	3	-	-	-	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	128	-40	105,125,85
STM32F401CC	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 84 MHz CPU, ART Accelerator	UFQFPN 48 7x7x0.55 mm,WLCSP 49 3x3x0.33 P 0.4 mm,WLCSP 49 3x3x0.6 P 0.4 mm	Arm Cortex-M4	84	-	-	-	-	256	-	64	-	-	6	2	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	36	-	-	-	-	3	-	3	2	3	-	-	-	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	128	-40	105,85
STM32F401CD	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 384 Kbytes of Flash memory, 84 MHz CPU, ART Accelerator	UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.1x3.1x0.6 P 0.4 mm	Arm Cortex-M4	84	-	-	-	-	384	-	96	-	-	6	2	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	36	-	-	-	-	3	-	3	2	3	-	-	-	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	137	-40	85
STM32F401CE	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 84 MHz CPU, ART Accelerator	UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.1x3.1x0.6 P 0.4 mm	Arm Cortex-M4	84	-	-	-	-	512	-	96	-	-	6	2	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	36	-	-	-	-	3	-	3	2	3	-	-	-	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	137	-40	85
STM32F401RB	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 128 Kbytes of Flash memory, 84 MHz CPU, ART Accelerator	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	84	-	-	-	-	128	-	64	-	-	6	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	50	-	-	-	-	3	-	3	2	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	128	-40	85
STM32F401RC	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 84 MHz CPU, ART Accelerator	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	84	Single-precision FPU	-	-	-	256	-	64	-	-	6	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	50	-	-	-	-	3	-	3	2	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	128	-40	105,85
STM32F401RD	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 384 Kbytes of Flash memory, 84 MHz CPU, ART Accelerator	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	84	Single-precision FPU	-	-	-	384	-	96	-	-	6	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	50	-	-	-	-	3	-	3	2	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	137	-40	105,85
STM32F401RE	STM32 Dynamic Efficiency MCU, Arm Cortex-M4 core with DSP and FPU, up to 512 Kbytes of Flash memory, 84 MHz CPU, Art Accelerator	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	84	-	-	-	-	512	-	96	-	-	6	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	50	-	-	-	-	3	-	3	2	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	137	-40	105,85
STM32F401VB	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 128 Kbytes of Flash memory, 84 MHz CPU, ART Accelerator	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	84	-	-	-	-	128	-	64	-	-	6	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	81	-	-	-	-	3	-	4	2	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	128	-40	125,85
STM32F401VC	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 84 MHz CPU, ART Accelerator	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	84	-	-	-	-	256	-	64	-	-	6	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	81	-	-	-	-	3	-	4	2	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	128	-40	105,85
STM32F401VD	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 384 Kbytes of Flash memory, 84 MHz CPU, ART Accelerator	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	84	Single-precision FPU	-	-	-	384	-	96	-	-	6	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	81	-	-	-	-	3	-	4	2	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	137	-40	85
STM32F401VE	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 84 MHz CPU, ART Accelerator	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	84	-	-	-	-	512	-	96	-	-	6	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	81	-	-	-	-	3	-	4	2	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	137	-40	105,85
STM32F405OE	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 168 MHz CPU, ART Accelerator, FSMC	WLCSP 90 4x4.3x0.6 P 0.4 mm	Arm Cortex-M4	168	Single-precision FPU	-	-	-	512	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	13	-	-	2	-	72	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.7	215	-40	85
STM32F405OG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, FSMC	WLCSP 90 4x4.3x0.6 P 0.4 mm	Arm Cortex-M4	168	Single-precision FPU	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	13	-	-	2	-	72	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.7	215	-40	85
STM32F405RG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	168	Single-precision FPU	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	51	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.8	3.6	1.7	215	-40	105,85
STM32F405VG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, FSMC	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	168	Single-precision FPU	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.8	3.6	1.7	215	-40	105,85
STM32F405ZG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, FSMC	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	168	Single-precision FPU	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.7	215	-40	105,85
STM32F407IE	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 168 MHz CPU, ART Accelerator, Ethernet, FSMC	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	168	Single-precision FPU	-	-	-	512	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	-	24	-	-	2	-	140	-	-	-	2	3	-	3	2	4	2	-	Ethernet,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	215	-40	105,85
STM32F407IG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, Ethernet, FSMC	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	168	Single-precision FPU	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	3	-	3	2	4	2	-	Ethernet,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	215	-40	105,85
STM32F407VE	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 168 MHz CPU, ART Accelerator, Ethernet, FSMC	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	168	Single-precision FPU	-	-	-	512	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	-	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	Ethernet,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	215	-40	85
STM32F407VG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, Ethernet, FSMC	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	168	Single-precision FPU	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	-	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	Ethernet,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	215	-40	105,85
STM32F407ZE	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 168 MHz CPU, ART Accelerator, Ethernet, FSMC	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	168	Single-precision FPU	-	-	-	512	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	3	-	3	2	4	2	-	Ethernet,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	215	-40	105,85
STM32F407ZG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, Ethernet, FSMC	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	168	Single-precision FPU	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	-	24	-	-	2	-	114	-	-	-	2	3	-	3	2	4	2	-	Ethernet,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	215	-40	105,85
STM32F410C8	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 64 Kbytes of Flash memory, 100 MHz CPU, Art Accelerator	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	100	-	-	-	-	64	false	32	-	-	4	1	Dual Watchdog,RTC,SysTick	1	10	-	-	1	-	36	-	-	-	-	3	-	3	3	3	-	-	-	-	-	-	-	-	-	-	1.7	3.6	2.6	89	-40	105,85
STM32F410CB	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 128 Kbytes of Flash memory, 100 MHz CPU, Art Accelerator	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	100	-	-	-	-	128	false	32	-	-	4	1	Dual Watchdog,RTC,SysTick	1	10	-	-	1	-	35,36	-	-	-	-	3	-	3	3	3	-	-	-	-	-	-	-	-	-	-	1.7	3.6	2.6	89	-40	125,85
STM32F410R8	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 64 Kbytes of Flash memory, 100 MHz CPU, Art Accelerator	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	100	-	-	-	-	64	false	32	-	-	4	1	Dual Watchdog,RTC,SysTick	1	16	-	-	1	-	50	-	-	-	-	3	-	3	3	3	-	-	-	-	-	-	-	-	-	-	1.7	3.6	2.6	89	-40	85
STM32F410RB	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 128 Kbytes of Flash memory, 100 MHz CPU, Art Accelerator	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M4	100	-	-	-	-	128	false	32	-	-	4	1	Dual Watchdog,RTC,SysTick	1	16	-	-	1	-	50	-	-	-	-	3	-	3	3	3	-	-	-	-	-	-	-	-	-	-	1.7	3.6	2.6	89	-40	105,125,85
STM32F410T8	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 64 Kbytes of Flash memory, 100 MHz CPU, Art Accelerator	WLCSP 36 2.6x2.6x0.6 P 0.4 mm	Arm Cortex-M4	100	-	-	-	-	64	false	32	-	-	4	1	Dual Watchdog,RTC,SysTick	1	4	-	-	1	-	23	-	-	-	-	2	-	1	1	2	-	-	-	-	-	-	-	-	-	-	1.7	3.6	2.6	89	-40	85
STM32F410TB	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 128 Kbytes of Flash memory, 100 MHz CPU, Art Accelerator	WLCSP 36 2.6x2.6x0.6 P 0.4 mm	Arm Cortex-M4	100	-	-	-	-	128	false	32	-	-	4	1	Dual Watchdog,RTC,SysTick	1	4	-	-	1	-	23	-	-	-	-	2	-	1	1	2	-	-	-	-	-	-	-	-	-	-	1.7	3.6	2.6	89	-40	105,125,85
STM32F411CC	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 100 MHz CPU, ART Accelerator	UFQFPN 48 7x7x0.55 mm,WLCSP 49 3x3.2x0.6 P 0.4 mm	Arm Cortex-M4	100	-	-	-	-	256	false	128	-	-	6	2	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	36	-	-	-	-	3	-	5	5	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	100	-40	105,85
STM32F411CE	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 100 MHz CPU, ART Accelerator	UFQFPN 48 7x7x0.55 mm,WLCSP 49 3x3.2x0.6 P 0.4 mm	Arm Cortex-M4	100	-	-	-	-	512	-	128	-	-	6	2	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	36	-	-	-	-	3	-	5	5	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	100	-40	105,125,85
STM32F411RC	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 100 MHz CPU, ART Accelerator	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	100	-	-	-	-	256	false	128	-	-	6	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	50	-	-	-	-	3	-	5	5	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	100	-40	105,85
STM32F411RE	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 100 MHz CPU, ART Accelerator	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	100	-	-	-	-	512	-	128	-	-	6	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	50	-	-	-	-	3	-	5	5	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	100	-40	105,85
STM32F411VC	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 100 MHz CPU, ART Accelerator	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	100	-	-	-	-	256	false	128	-	-	6	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	81	-	-	-	-	3	-	5	5	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	100	-40	85
STM32F411VE	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 100 MHz CPU, ART Accelerator	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	100	-	-	-	-	512	-	128	-	-	6	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	81	-	-	-	-	3	-	5	5	3	-	-	SD/MMC	-	USB OTG FS	-	-	-	-	-	1.7	3.6	1.8	100	-40	85
STM32F412CE	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 512 Kbytes of Flash memory, 100 MHz CPU, Art Accelerator, DFSDM	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	100	-	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	36	-	-	-	2	4	-	5	5	4	-	-	DFSDM,SD/MMC	FMC,Quad SPI	USB OTG FS	-	-	-	-	-	1.7	3.6	1.1	112	-40	85
STM32F412CG	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 1 Mbyte of Flash memory, 100 MHz CPU, Art Accelerator, DFSDM	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	100	-	-	-	-	1024	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	36	-	-	-	2	4	-	5	5	4	-	-	DFSDM,SD/MMC	FMC,Quad SPI	USB OTG FS	-	-	-	-	-	1.7	3.6	1.1	112	-40	85
STM32F412RE	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 512 Kbytes of Flash memory, 100 MHz CPU, Art Accelerator, DFSDM	LQFP 64 10x10x1.4 mm,WLCSP 64 3.7x3.7x0.6 P 0.4 mm	Arm Cortex-M4	100	-	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	50	-	-	-	2	4	-	5	5	4	-	-	DFSDM,SD/MMC	FMC,Quad SPI	USB OTG FS	-	-	-	-	-	1.7	3.6	1.1	112	-40	105,85
STM32F412RG	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 1 Mbyte of Flash memory, 100 MHz CPU, Art Accelerator, DFSDM	LQFP 64 10x10x1.4 mm,WLCSP 64 3.7x3.7x0.6 P 0.4 mm	Arm Cortex-M4	100	-	-	-	-	1024	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	50	-	-	-	2	4	-	5	5	4	-	-	DFSDM,SD/MMC	FMC,Quad SPI	USB OTG FS	-	-	-	-	-	1.7	3.6	1.1	112	-40	85
STM32F412VE	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 512 Kbytes of Flash memory, 100 MHz CPU, Art Accelerator, DFSDM	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	100	-	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	81	-	-	-	2	4	-	5	5	4	-	-	DFSDM,SD/MMC	FMC,Quad SPI	USB OTG FS	-	-	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F412VG	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 1 Mbyte of Flash memory, 100 MHz CPU, Art Accelerator, DFSDM	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	100	-	-	-	-	1024	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	81	-	-	-	2	4	-	5	5	4	-	-	DFSDM,SD/MMC	FMC,Quad SPI	USB OTG FS	-	-	-	-	-	1.7	3.6	1.1	112	-40	105,85
STM32F412ZE	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 512 Kbytes of Flash memory, 100 MHz CPU, Art Accelerator, DFSDM	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm	Arm Cortex-M4	100	-	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	114	-	-	-	2	4	-	5	5	4	-	-	DFSDM,SD/MMC	FMC,Quad SPI	USB OTG FS	-	-	-	-	-	1.7	3.6	1.1	112	-40	105,125,85
STM32F412ZG	STM32 Dynamic Efficiency MCU with BAM, High-performance and DSP with FPU, Arm Cortex-M4 MCU with 1 Mbyte of Flash memory, 100 MHz CPU, Art Accelerator, DFSDM	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm	Arm Cortex-M4	100	-	-	-	-	1024	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	114	-	-	-	2	4	-	5	5	4	-	-	DFSDM,SD/MMC	FMC,Quad SPI	USB OTG FS	-	-	-	-	-	1.7	3.6	1.1	112	-40	105,85

STM32F413CG	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	100	-	-	-	-	1024	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	10	-	-	2	-	36	-	-	-	3	3	-	5	5	3	3	-	DFSDM,SAI,SD/MMC	-	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F413CH	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1,5 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	100	-	-	-	-	1536	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	10	-	-	2	-	36	-	-	-	3	3	-	5	5	3	3	-	DFSDM,SAI,SD/MMC	-	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F413MG	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM	WLCSP 81 4.1x4x0.6 P 0.4 mm	Arm Cortex-M4	100	-	-	-	-	1024	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	2	-	60	-	-	-	3	3	-	5	5	4	3	-	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F413MH	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1,5 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM	WLCSP 81 4.1x4x0.6 P 0.4 mm	Arm Cortex-M4	100	-	-	-	-	1536	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	2	-	60	-	-	-	3	3	-	5	5	4	3	-	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F413RG	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	100	-	-	-	-	1024	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	2	-	50	-	-	-	3	3	-	5	5	4	3	-	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F413RH	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1,5 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	100	-	-	-	-	1536	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	2	-	50	-	-	-	3	3	-	5	5	4	3	-	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F413VG	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	100	-	-	-	-	1024	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	2	-	81	-	-	-	3	3	-	5	5	4	6	-	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F413VH	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1,5 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	100	-	-	-	-	1536	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	2	-	81	-	-	-	3	3	-	5	5	4	6	-	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F413ZG	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm	Arm Cortex-M4	100	-	-	-	-	1024	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	2	-	114	-	-	-	3	3	-	5	5	4	6	-	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F413ZH	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1,5 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm	Arm Cortex-M4	100	-	-	-	-	1536	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	2	-	114	-	-	-	3	3	-	5	5	4	6	-	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F415OG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, FSMC, HW crypto	WLCSP 90 4x4.3x0.6 P 0.4 mm	Arm Cortex-M4	168	-	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	13	-	-	2	-	72	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.8	3.6	1.7	215	-40	85
STM32F415RG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, HW crypto	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	168	-	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	51	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	-	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.8	3.6	1.7	215	-40	85
STM32F415VG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, FSMC, HW crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	168	-	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.8	3.6	1.7	215	-40	105,85
STM32F415ZG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, FSMC, HW crypto	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	168	-	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	3	-	3	2	4	2	-	SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.8	3.6	1.7	215	-40	85
STM32F417IE	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 168 MHz CPU, ART Accelerator, Ethernet, FSMC, HW crypto	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	168	-	-	-	-	512	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	3	-	3	2	4	2	-	Camera Interface,Ethernet,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	215	-40	85
STM32F417IG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, Ethernet, FSMC, HW crypto	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	168	-	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	3	-	3	2	4	2	-	Camera Interface,Ethernet,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	215	-40	105,85
STM32F417VE	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 168 MHz CPU, ART Accelerator, Ethernet, FSMC, HW crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	168	-	-	-	-	512	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	Camera Interface,Ethernet,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	215	-40	85
STM32F417VG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, Ethernet, FSMC, HW crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	168	-	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	3	-	3	2	4	2	-	Camera Interface,Ethernet,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	215	-40	105,85
STM32F417ZE	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 168 MHz CPU, ART Accelerator, Ethernet, FSMC, HW crypto	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	168	-	-	-	-	512	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	3	-	3	2	4	2	-	Camera Interface,Ethernet,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	215	-40	85
STM32F417ZG	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 168 MHz CPU, ART Accelerator, Ethernet, FSMC, HW crypto	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	168	-	-	-	-	1024	-	192	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	3	-	3	2	4	2	-	Camera Interface,Ethernet,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	215	-40	85
STM32F423CH	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1,5 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM, AES	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	100	-	-	-	-	1536	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	10	-	-	2	-	36	-	-	-	3	3	-	5	5	3	3	-	DFSDM,SAI,SD/MMC	-	USB OTG FS	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F423MH	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1,5 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM, AES	WLCSP 81 4.1x4x0.6 P 0.4 mm	Arm Cortex-M4	100	-	-	-	-	1536	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	2	-	60	-	-	-	3	3	-	5	5	4	3	-	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F423RH	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1,5 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM, AES	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	100	-	-	-	-	1536	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	2	-	50	-	-	-	3	3	-	5	5	4	3	-	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F423VH	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1,5 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM, AES	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	100	-	-	-	-	1536	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	2	-	81	-	-	-	3	3	-	5	5	4	6	-	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F423ZH	High-performance access line, Arm Cortex-M4 core with DSP and FPU, 1,5 MByte of Flash memory, 100 MHz CPU, ART Accelerator, DFSDM, AES	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm	Arm Cortex-M4	100	-	-	-	-	1536	false	320	-	-	12	2	Dual Watchdog,RTC,SysTick	1	16	-	-	2	-	114	-	-	-	3	3	-	5	5	4	6	-	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.1	112	-40	125,85
STM32F427AG	High-performance Advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	20	-	-	2	-	130	-	-	-	2	3	-	5	2	4	4	-	Ethernet,SAI,SD/MMC	FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F427AI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	20	-	-	2	-	130	-	-	-	2	3	-	5	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F427IG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ARTAccelerator, FMC with SDRAM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F427II	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	105,85
STM32F427VG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FSMC	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	Chrom-ART	-	2	3	-	4	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F427VI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator,FSMC	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	Chrom-ART	-	2	3	-	4	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	105,85
STM32F427ZG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	Chrom-ART	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F427ZI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	Chrom-ART	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	105,85
STM32F429AG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	20	-	-	2	-	130	LCD TFT Controller	-	-	2	3	-	5	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429AI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	20	-	-	2	-	130	LCD TFT Controller	-	-	2	3	-	5	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429BE	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT	LQFP 208 28x28x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	512	false	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429BG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT	LQFP 208 28x28x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429BI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT	LQFP 208 28x28x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	105,85
STM32F429IE	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerateur, Chrom-ART Accelerator, FMC with SDRAM, TFT	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	512	false	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429IG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429II	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429NE	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	512	false	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	2	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429NG	High-performance and DSP with FPU, ARM Cortex-M4 MCU with 1 Mbyte Flash, 180 MHz CPU, Art Accelerator, SRAM, TFT	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	-	USB OTG FS + USB OTG FS/HS	-	-	-	1	-	1.8	3.6	1.7	208	-40	85
STM32F429NI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	105,85
STM32F429VE	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FSMC, TFT	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	512	false	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	LCD TFT Controller	Chrom-ART	-	2	3	-	4	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429VG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FSMC, TFT	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	LCD TFT Controller	Chrom-ART	-	2	3	-	4	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429VI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FSMC, TFT	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	LCD TFT Controller	Chrom-ART	-	2	3	-	4	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429ZE	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	512	false	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	LCD TFT Controller	Chrom-ART	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429ZG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT	LQFP 144 20x20x1.4 mm,WLCSP 143 5.6x4.6x0.6 P 0.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	LCD TFT Controller	Chrom-ART	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	85
STM32F429ZI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ARTAccelerator, FMC with SDRAM, TFT	LQFP 144 20x20x1.4 mm,WLCSP 143 5.6x4.6x0.6 P 0.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	LCD TFT Controller	Chrom-ART	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.8	3.6	1.7	208	-40	105,85
STM32F437AI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, HW crypto	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	20	-	-	2	-	130	-	-	-	2	2	-	5	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F437IG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, HW crypto	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F437II	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, HW crypto	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	105,85
STM32F437VG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FSMC, HW crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	Chrom-ART	-	2	3	-	4	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	105,85
STM32F437VI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FSMC, HW crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	Chrom-ART	-	2	3	-	4	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	105,85
STM32F437ZG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, HW crypto	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	Chrom-ART	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F437ZI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbyes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, HW crypto	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	Chrom-ART	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	105,85
STM32F439AI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT, HW crypto	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	20	-	-	2	-	130	LCD TFT Controller	-	-	2	3	-	5	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F439BG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT, HW crypto	LQFP 208 28x28x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F439BI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT, HW crypto	LQFP 208 28x28x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	105,85
STM32F439IG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT, HW crypto	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F439II	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT, HW crypto	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	105,85
STM32F439NG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT, HW crypto	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F439NI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT, HW crypto	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F439VG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FSMC, TFT, HW crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	LCD TFT Controller	Chrom-ART	-	2	3	-	4	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F439VI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FSMC, TFT, HW crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	LCD TFT Controller	Chrom-ART	-	2	3	-	4	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F439ZG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT, HW crypto	LQFP 144 20x20x1.4 mm,WLCSP 143 5.6x4.6x0.6 P 0.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	LCD TFT Controller	Chrom-ART	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	105,85

STM32F439ZI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, TFT, HW crypto	LQFP 144 20x20x1.4 mm,WLCSP 143 5.6x4.6x0.6 P 0.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	LCD TFT Controller	Chrom-ART	-	2	3	-	6	2	4	4	-	Ethernet,SAI,SD/MMC	FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	208	-40	85
STM32F446MC	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Dual QSPI	WLCSP 81 3.9x3.7x0.6 P 0.4 mm	Arm Cortex-M4	180	-	-	-	-	256	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	14	-	-	2	-	63	-	-	-	2	4	-	4	3	4	2	-	HDMI CEC,SAI	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	1.12	167	-40	85
STM32F446ME	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Dual QSPI	WLCSP 81 3.9x3.7x0.6 P 0.4 mm	Arm Cortex-M4	180	-	-	-	-	512	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	14	-	-	2	-	63	-	-	-	2	4	-	4	3	4	2	-	HDMI CEC,SAI	FMC,Quad SPI	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	1.12	167	-40	85
STM32F446RC	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Dual QSPI	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	180	-	-	-	-	256	-	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	50	-	-	-	2	4	-	3	3	4	2	-	HDMI CEC,SAI,SD/MMC	Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	1.12	167	-40	105,85
STM32F446RE	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Dual QSPI	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	180	-	-	-	-	512	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	50	-	-	-	2	4	-	3	3	4	2	-	HDMI CEC,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	1.12	167	-40	105,85
STM32F446VC	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Dual QSPI	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	-	-	-	-	256	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	81	-	-	-	2	4	-	4	3	4	2	-	HDMI CEC,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	1.12	167	-40	105,85
STM32F446VE	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Dual QSPI	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	-	-	-	-	512	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	81	-	-	-	2	4	-	4	3	4	2	-	HDMI CEC,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	1.12	167	-40	105,85
STM32F446ZC	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Dual QSPI	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm,UFBGA 144 7x7x0.6 P 0.5 mm	Arm Cortex-M4	180	-	-	-	-	256	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	4	-	4	3	4	2	-	HDMI CEC,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	1.12	167	-40	105,85
STM32F446ZE	High-performance foundation line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Dual QSPI	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm,UFBGA 144 7x7x0.6 P 0.5 mm	Arm Cortex-M4	180	-	-	-	-	512	false	128	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	2	4	-	4	3	4	2	-	HDMI CEC,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.8	3.6	1.12	167	-40	105,85
STM32F469AE	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	512	false	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	128	LCD TFT Controller, MIPI DSI	-	-	2	3	-	5	2	4	4	-	Camera Interface,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.7	3.6	140	282	-40	105,85
STM32F469AG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	UFBGA 169 7x7x0.6 P 0.5 mm,WLCSP 168 5.7x4.9x0.6 P 0.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	128	LCD TFT Controller, MIPI DSI	-	-	2	3	-	5	2	4	4	-	Camera Interface,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.7	3.6	140	282	-40	85
STM32F469AI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	UFBGA 169 7x7x0.6 P 0.5 mm,WLCSP 168 5.7x4.9x0.6 P 0.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	128	LCD TFT Controller, MIPI DSI	-	-	2	3	-	5	2	4	4	-	Camera Interface,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.7	3.6	140	282	-40	85
STM32F469BE	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 208 28x28x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	512	false	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	85
STM32F469BG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 208 28x28x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	SAI	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	85
STM32F469BI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 208 28x28x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	105,85
STM32F469IE	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	512	false	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	131	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	85
STM32F469IG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	131	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	85
STM32F469II	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	131	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	85
STM32F469NE	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	512	false	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	85
STM32F469NG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	85
STM32F469NI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	105,85
STM32F469VE	High-performance advanced line, ARM Cortex-M4 core with DSP and FPU, 1 Mbyte Flash, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	512	false	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	14	-	-	2	-	71	LCD TFT Controller, MIPI DSI	-	-	2	3	-	4	2	4	3	-	Camera Interface,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.7	3.6	140	282	-40	85
STM32F469VG	High-performance advanced line, ARM Cortex-M4 core with DSP and FPU, 1 Mbyte Flash, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	14	-	-	2	-	71	LCD TFT Controller, MIPI DSI	-	-	2	3	-	4	2	4	3	-	Camera Interface,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.7	3.6	140	282	-40	85
STM32F469VI	High-performance advanced line, ARM Cortex-M4 core with DSP and FPU, 2 Mbytes Flash, 180 MHz CPU, ART Accelerator, FMC with SDRAM, Dual QSPI, TFT,MIPI-DSI	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	14	-	-	2	-	71	LCD TFT Controller, MIPI DSI	-	-	2	3	-	4	2	4	3	-	Camera Interface,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	-	1	-	1.7	3.6	140	282	-40	85
STM32F469ZE	High-performance advanced line, ARM Cortex-M4 core with DSP and FPU, 1 Mbyte Flash, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	512	false	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	20	-	-	2	-	106	LCD TFT Controller, MIPI DSI	-	-	2	3	-	4	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.7	3.6	140	282	-40	85
STM32F469ZG	High-performance advanced line, ARM Cortex-M4 core with DSP and FPU, 1 Mbyte Flash, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	20	-	-	2	-	106	LCD TFT Controller, MIPI DSI	-	-	2	3	-	4	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.7	3.6	140	282	-40	85
STM32F469ZI	High-performance advanced line, ARM Cortex-M4 core with DSP and FPU, 2 Mbyte Flash, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	20	-	-	2	-	106	LCD TFT Controller, MIPI DSI	-	-	2	3	-	4	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.7	3.6	140	282	-40	85
STM32F479AG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI, HW crypto	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	128	LCD TFT Controller, MIPI DSI	-	-	2	3	-	5	2	4	4	-	Camera Interface,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	140	282	-40	85
STM32F479AI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI, HW crypto	UFBGA 169 7x7x0.6 P 0.5 mm,WLCSP 168 5.7x4.9x0.6 P 0.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	128	LCD TFT Controller, MIPI DSI	-	-	2	3	-	5	2	4	4	-	Camera Interface,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	140	282	-40	85
STM32F479BG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI, HW crypto	LQFP 208 28x28x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	85
STM32F479BI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI, HW crypto	LQFP 208 28x28x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	85
STM32F479IG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI, HW crypto	UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	131	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	85
STM32F479II	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI, HW crypto	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	131	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	105,85
STM32F479NG	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 1 Mbyte of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI, HW crypto	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	85
STM32F479NI	High-performance advanced line, Arm Cortex-M4 core with DSP and FPU, 2 Mbytes of Flash memory, 180 MHz CPU, ART Accelerator, Chrom-ART accelerator, FMC with SDRAM, dual Quad SPI, TFT, MIPI-DSI, HW crypto	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	2	3	-	6	2	4	4	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	140	282	-40	85
STM32F479VG	High-performance advanced line, ARM Cortex-M4 core with DSP and FPU, 1 Mbyte Flash, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	14	-	-	2	-	71	LCD TFT Controller, MIPI DSI	-	-	2	3	-	4	2	4	3	-	Camera Interface,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,HMAC,MD5,SHA	-	-	-	-	1.7	3.6	140	282	-40	85
STM32F479VI	High-performance advanced line, ARM Cortex-M4 core with DSP and FPU, 2 Mbyte Flash, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	14	-	-	2	-	71	LCD TFT Controller, MIPI DSI	-	-	2	3	-	4	2	4	3	-	Camera Interface,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,HMAC,MD5,SHA	-	-	-	-	1.7	3.6	140	282	-40	85
STM32F479ZG	High-performance advanced line, ARM Cortex-M4 core with DSP and FPU, 1 Mbyte Flash, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	1024	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	20	-	-	2	-	106	LCD TFT Controller, MIPI DSI	-	-	2	3	-	4	2	4	4	-	Camera Interface,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,HMAC,MD5,SHA	-	-	-	-	1.7	3.6	140	282	-40	85
STM32F479ZI	High-performance advanced line, ARM Cortex-M4 core with DSP and FPU, 2 Mbyte Flash, 180 MHz CPU, ART Accelerator, Chrom-ART Accelerator, FMC with SDRAM, Dual QSPI, TFT, MIPI-DSI	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	180	Single-precision FPU	-	-	-	2048	true	384	-	-	12	2	Dual Watchdog,RTC,SysTick	3	20	-	-	2	-	106	LCD TFT Controller, MIPI DSI	-	-	2	3	-	4	2	4	4	-	Camera Interface,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,HMAC,MD5,SHA	-	-	-	-	1.7	3.6	140	282	-40	85
STM32F722IC	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 256 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	256	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	85
STM32F722IE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	105,85
STM32F722RC	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 256 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 64 10x10x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	256	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	15	-	-	2	-	50	-	-	-	1	4	-	3	3	4	2	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	85
STM32F722RE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 64 10x10x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	50	LCD TFT Controller	-	-	1	4	-	3	3	4	2	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	105,85
STM32F722VC	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 256 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 100 14x14x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	256	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	1	4	-	4	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	85
STM32F722VE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 100 14x14x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	1	4	-	4	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	105,85
STM32F722ZC	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 256 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	256	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	85
STM32F722ZE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	105,85
STM32F723IC	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 256 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	256	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	138	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	85
STM32F723IE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	138	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	105,85
STM32F723VC	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes Flash, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 100 14x14x1.4 mm,WLCSP 100 4.8x4.4x0.6 P 0.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	SAI,SD/MMC	Dual Quad SPI,FMC	-	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	85
STM32F723VE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 100 14x14x1.4 mm,WLCSP 100 4.8x4.4x0.6 P 0.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	11	2	-	3	16	-	-	2	-	79	-	-	-	1	4	-	4	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	85
STM32F723ZC	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 256 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 144 20x20x1.4 mm,UFBGA 144 7x7x0.6 P 0.5 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	256	-	256	-	-	11	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	112	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	85
STM32F723ZE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 144 20x20x1.4 mm,UFBGA 144 7x7x0.6 P 0.5 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	11	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	112	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	105,85
STM32F730I8	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 64 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM	UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	8 + 8	64	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	138	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.7	472	-40	105,85
STM32F730R8	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 64 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto,SDRAM	LQFP 64 10x10x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	8 + 8	64	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	15	-	-	2	-	50	-	-	-	1	4	-	3	3	4	2	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.7	472	-40	105,85
STM32F730V8	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 64 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM	LQFP 100 14x14x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	8 + 8	64	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	1	4	-	4	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.7	472	-40	105,85
STM32F730Z8	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 64 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	8 + 8	64	-	256	-	-	11	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	112	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	1.7	472	-40	105,85
STM32F732IE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	105,85
STM32F732RE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 64 10x10x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	15	-	-	2	-	50	-	-	-	1	4	-	3	3	4	2	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	105,85
STM32F732VE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 100 14x14x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	1	4	-	4	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	105,85
STM32F732ZE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	105,85
STM32F733IE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	138	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	105,85
STM32F733VE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 100 14x14x1.4 mm,WLCSP 100 4.8x4.4x0.6 P 0.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	11	2	-	3	16	-	-	2	-	79	-	-	-	1	4	-	4	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	85
STM32F733ZE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 144 20x20x1.4 mm,UFBGA 144 7x7x0.6 P 0.5 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	256	-	-	11	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	112	-	-	-	1	4	-	5	3	4	4	-	SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	-	-	-40	105,85
STM32F745IE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	4	-	6	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85

STM32F745IG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	2	4	-	6	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85
STM32F745VE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	Chrom-ART	-	2	4	-	4	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85
STM32F745VG	High-performance and DSP with FPU, ARM Cortex-M7 MCU with 1 Mbyte Flash, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	-	-	2	4	-	4	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	-	-	-	-	-	1.7	3.6	1.7	420	-40	85
STM32F745ZE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	Chrom-ART	-	2	4	-	6	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	85
STM32F745ZG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	Chrom-ART	-	2	4	-	6	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85
STM32F746BE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	4	-	6	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	85
STM32F746BG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	4	-	6	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85
STM32F746IE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	LCD TFT Controller	-	-	2	4	-	6	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	85
STM32F746IG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	LCD TFT Controller	-	-	2	4	-	6	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85
STM32F746NE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	4	-	6	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	85
STM32F746NG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	4	-	6	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85
STM32F746VE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, TFT	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	LCD TFT Controller	Chrom-ART	-	2	4	-	4	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	85
STM32F746VG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	LCD TFT Controller	Chrom-ART	-	2	4	-	4	3	4	4	-	Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC,FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85
STM32F746ZE	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 512 Kbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT	LQFP 144 20x20x1.4 mm,WLCSP 143 5.9x4.6x0.6 P 0.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	512	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	LCD TFT Controller	Chrom-ART	-	2	4	-	6	3	4	4	-	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	85
STM32F746ZG	High-performance and DSP with FPU Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT	LQFP 144 20x20x1.4 mm,WLCSP 143 5.9x4.6x0.6 P 0.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	LCD TFT Controller	Chrom-ART	-	2	4	-	6	3	4	4	-	Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC,FSMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85
STM32F750N8	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 64 Kbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	4 + 4	64	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85
STM32F750V8	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 64 Kbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT	LQFP 100 14x14x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	4 + 4	64	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	LCD TFT Controller	Chrom-ART	-	2	4	-	4	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85
STM32F750Z8	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 64 Kbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	4 + 4	64	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	LCD TFT Controller	Chrom-ART	-	2	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85
STM32F756BG	High-performance and DSP with FPU Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	4	-	6	3	4	4	-	Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	85
STM32F756IG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	LCD TFT Controller	-	-	2	4	-	6	3	4	4	-	Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	85
STM32F756NG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	2	4	-	6	3	4	4	-	Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	85
STM32F756VG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	LCD TFT Controller	Chrom-ART	-	2	4	-	4	3	4	4	-	Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	105,85
STM32F756ZG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT	LQFP 144 20x20x1.4 mm,WLCSP 143 5.9x4.6x0.6 P 0.4 mm	Arm Cortex-M7	216	Single-precision FPU	-	-	-	1024	-	320	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	LCD TFT Controller	Chrom-ART	-	2	4	-	6	3	4	4	-	Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	1.7	472	-40	85
STM32F765BG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, DFSDM	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	-	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F765BI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, DFSDM	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	-	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F765IG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, DFSDM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F765II	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, DFSDM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	-	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	105,85
STM32F765NG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, DFSDM	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	-	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	105,85
STM32F765NI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, DFSDM	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	-	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	105,85
STM32F765VG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, DFSDM	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	Chrom-ART	-	3	4	-	5	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	105,85
STM32F765VI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, DFSDM	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	-	Chrom-ART	-	3	4	-	5	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F765ZG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, DFSDM	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	Chrom-ART	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	105,85
STM32F765ZI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, DFSDM	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	-	Chrom-ART	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	105,85
STM32F767BG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, JPEG codec, DFSDM	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F767BI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, JPEG codec, DFSDM	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F767IG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, JPEG codec, DFSDM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	LCD TFT Controller	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F767II	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, JPEG codec, DFSDM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	LCD TFT Controller	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F767NG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, JPEG codec, DFSDM	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F767NI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, JPEG codec, DFSDM	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	105,85
STM32F767VG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, JPEG codec, DFSDM	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	LCD TFT Controller	Chrom-ART,JPEG Codec	-	3	4	-	5	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	105,85
STM32F767VI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, JPEG codec, DFSDM	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	LCD TFT Controller	Chrom-ART,JPEG Codec	-	3	4	-	5	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	105,85
STM32F767ZG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, JPEG codec, DFSDM	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	LCD TFT Controller	Chrom-ART,JPEG Codec	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F767ZI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, JPEG codec, DFSDM	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	LCD TFT Controller	Chrom-ART,JPEG Codec	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F769AI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, MIPI-DSI, JPEG codec, DFSDM	WLCSP 180 6.1x5.6x0.6 P 0.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	128	LCD TFT Controller, MIPI DSI	-	-	3	4	-	5	3	4	4	-	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	2.5	420	-40	85
STM32F769BG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, MIPI-DSI, JPEG codec, DFSDM	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F769BI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, MIPI-DSI, JPEG codec, DFSDM	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F769IG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, MIPI-DSI, JPEG codec, DFSDM	LQFP 176 24x24x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	131	LCD TFT Controller, MIPI DSI	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F769II	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, MIPI-DSI, JPEG codec, DFSDM	LQFP 176 24x24x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	131	LCD TFT Controller	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F769NG	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 1 Mbyte of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, MIPI-DSI, JPEG codec, DFSDM	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	1024	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F769NI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, MIPI-DSI, JPEG codec, DFSDM	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F777BI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT, JPEG codec, DFSDM	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F777II	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT, JPEG codec, DFSDM	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	140	LCD TFT Controller	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	105,85
STM32F777NI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT, JPEG codec, DFSDM	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	168	LCD TFT Controller	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	105,85
STM32F777VI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT, JPEG codec, DFSDM	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	82	LCD TFT Controller	Chrom-ART,JPEG Codec	-	3	4	-	5	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	105,85
STM32F777ZI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT, JPEG codec, DFSDM	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	114	LCD TFT Controller	Chrom-ART,JPEG Codec	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F778AI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, SDRAM, TFT, MIPI-DSI, JPEG codec, DFSDM, Vreg_OFF	WLCSP 180 6.1x5.6x0.6 P 0.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	-	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	128	LCD TFT Controller, MIPI DSI	-	-	3	4	-	5	3	4	4	-	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	2.5	420	-40	85
STM32F779AI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT, MIPI-DSI, JPEG codec, DFSDM	WLCSP 180 6.1x5.6x0.6 P 0.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	16	-	-	2	-	128	LCD TFT Controller, MIPI DSI	-	-	3	4	-	5	3	4	4	-	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.7	3.6	2.5	420	-40	85
STM32F779BI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT, MIPI-DSI, JPEG codec, DFSDM	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F779II	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT, MIPI-DSI, JPEG codec, DFSDM	LQFP 176 24x24x1.4 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	131	LCD TFT Controller, MIPI DSI	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32F779NI	High-performance and DSP with FPU, Arm Cortex-M7 MCU with 2 Mbytes of Flash memory, 216 MHz CPU, Art Accelerator, L1 cache, HW crypto, SDRAM, TFT, MIPI-DSI, JPEG codec, DFSDM	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M7	216	Double-precision FPU	-	-	-	2048	true	512	-	-	12	2	Dual Watchdog,RTC,SysTick	3	24	-	-	2	-	159	LCD TFT Controller, MIPI DSI	-	-	3	4	-	6	3	4	4	-	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.7	3.6	2.5	420	-40	85
STM32H503CB	High-performance, Arm Cortex-M33, MCU with 128-Kbyte Flash, 32-Kbyte RAM, 250 MHz CPU	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	8 + 8	128	true	32	-	1	5	1	Dual Watchdog,RTC,SysTick	1	10	-	-	2	1	35	-	-	2	-	2	2	3	3	3	1	1	SD/MMC	-	USB FS	MD5,SHA-1,SHA-2,TRNG	Secure Boot,Silicon Device Lifecycle	-	-	-	1.62	3.6	0.03	80	-40	85
STM32H503EB	High-performance, Arm Cortex-M33, MCU with 128-Kbyte Flash, 32-Kbyte RAM, 250 MHz CPU	WLCSP 25 2.33x2.24x0.6 P 0.4 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	8 + 8	128	true	32	-	1	5	1	Dual Watchdog,RTC,SysTick	1	10	-	-	2	1	19	-	-	2	-	2	2	3	3	3	1	1	SD/MMC	-	USB FS	MD5,SHA-1,SHA-2,TRNG	Secure Boot,Silicon Device Lifecycle	-	-	-	1.62	3.6	0.03	80	-40	85
STM32H503KB	High-performance, Arm Cortex-M33, MCU with 128-Kbyte Flash, 32-Kbyte RAM, 250 MHz CPU	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	8 + 8	128	true	32	-	1	6	1	Dual Watchdog,RTC,SysTick	1	10	-	-	1	1	24	-	-	2	-	2	2	3	3	3	1	1	SD/MMC	-	USB FS	MD5,SHA-1,SHA-2,TRNG	Secure Boot,Silicon Device Lifecycle	-	-	-	1.62	3.6	0.03	80	-40	85
STM32H503RB	High-performance, Arm Cortex-M33, MCU with 128-Kbyte Flash, 32-Kbyte RAM, 250 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	8 + 8	128	true	32	-	1	5	1	Dual Watchdog,RTC,SysTick	1	10	-	-	2	1	49	-	-	2	-	2	2	3	3	3	1	1	SD/MMC	-	USB FS	MD5,SHA-1,SHA-2,TRNG	Secure Boot,Silicon Device Lifecycle	-	-	-	1.62	3.6	0.03	80	-40	105,85
STM32H562AG	High-performance, Arm Cortex-M33 with TrustZone, MCU with 1-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	1024	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	20	-	-	2	-	136	-	-	1	-	4	1	6	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.62	3.6	0.03	111	-40	85
STM32H562AI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-Mbyte Flash, 640-Kbyte RAM, 250 MHz CPU	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	20	-	-	2	-	136	-	-	1	-	4	1	6	3	6	7	-	Camera Interface,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.62	3.6	0.03	120	-40	85
STM32H562IG	High-performance, Arm Cortex-M33 with TrustZone, MCU with 1-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	1024	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	20	-	-	2	-	140	-	-	1	-	4	1	6	3	6	7	-	Camera Interface,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.62	3.6	0.03	120	-40	85

STM32H562II	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	20	-	-	2	-	140	-	-	1	-	4	1	6	3	6	7	-	Camera Interface,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.62	3.6	0.03	120	-40	85
STM32H562RG	High-performance, Arm Cortex-M33 with TrustZone, MCU with 1-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 64 10x10x1.4 mm,VFQFPN 68 8x8x1.0 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	1024	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	16	-	-	2	-	53	-	-	1	-	4	1	4	3	5	6	-	Camera Interface,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.62	3.6	0.03	120	-40	85
STM32H562RI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-Mbyte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 64 10x10x1.4 mm,VFQFPN 68 8x8x1.0 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	16	-	-	2	-	53	-	-	1	-	4	1	4	3	5	6	-	Camera Interface,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Software IP Protection	-	-	-	1.62	3.6	0.03	120	-40	85
STM32H562VG	High-performance, Arm Cortex-M33 with TrustZone, MCU with 1-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	1024	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	16	-	-	2	-	80	-	-	1	-	4	1	5	3	6	7	-	Camera Interface,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Software IP Protection	-	-	-	1.62	3.6	0.03	120	-40	85
STM32H562VI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-Mbyte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	16	-	-	2	-	80	-	-	1	-	4	1	5	3	6	7	-	Camera Interface,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Software IP Protection	-	-	-	1.62	3.6	0.03	120	-40	85
STM32H562ZG	High-performance, Arm Cortex-M33 with TrustZone, MCU with 1-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 144 20x20x1.4 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	1024	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	20	-	-	2	-	112	-	-	1	-	4	1	6	3	6	7	-	Camera Interface,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Software IP Protection	-	-	-	1.62	3.6	0.03	111	-40	85
STM32H562ZI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-Mbyte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 144 20x20x1.4 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	20	-	-	2	-	112	-	-	1	-	4	1	6	3	6	7	-	Camera Interface,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Software IP Protection	-	-	-	1.62	3.6	0.03	111	-40	85
STM32H563AG	High-performance, Arm Cortex-M33 with TrustZone, MCU with 1-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	1024	true	640	-	2	20	2	Dual Watchdog,RTC,SysTick	2	20	-	-	2	-	-	-	-	2	-	4	1	6	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	0.03	111	-40	85
STM32H563AI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16,20	2	Dual Watchdog,RTC,SysTick	2	20	-	-	1,2	-	-	-	-	2	-	4	1	6	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	0.03	111	-40	125,85
STM32H563IG	High-performance, Arm Cortex-M33 with TrustZone, MCU with 1-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	1024	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	20	-	-	2	-	-	-	-	2	-	4	1	6	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	0.03	111	-40	85
STM32H563II	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16,20	2	Dual Watchdog,RTC,SysTick	2	16,20	-	-	1,2	-	-	-	-	2	-	4	1	6	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	0.03	111	-40	125,85
STM32H563MI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	WLCSP 80 3.50x3.27x0.6 P 0.35 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	8 + 8	2048	true	640	-	2	20	2	Dual Watchdog,RTC,SysTick	2	16	-	-	2	-	-	-	-	2	-	4	1	4	3	5	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	0.03	111	-40	125
STM32H563RG	High-performance, Arm Cortex-M33 with TrustZone, MCU with 1-Mbyte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 64 10x10x1.4 mm,VFQFPN 68 8x8x1.0 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	1024	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	16	-	-	2	-	53	-	-	2	-	4	1	4	3	5	6	-	Camera Interface,Ethernet,SAI,SD/MMC	Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	0.03	111	-40	85
STM32H563RI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 64 10x10x1.4 mm,VFQFPN 68 8x8x1.0 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	20	2	Dual Watchdog,RTC,SysTick	2	16	-	-	2	-	-	-	-	2	-	4	1	4	3	5	7	-	Camera Interface,Ethernet,SAI,SD/MMC	Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	0.03	111	-40	85
STM32H563VG	High-performance, Arm Cortex-M33 with TrustZone, MCU with 1-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	16	-	-	2	-	-	-	-	2	-	4	1	5	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	0.03	111	-40	85
STM32H563VI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16,20	2	Dual Watchdog,RTC,SysTick	2	14,16	-	-	1,2	-	-	-	-	2	-	4	1	5	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	0.03	111	-40	125,85
STM32H563ZG	High-performance, Arm Cortex-M33 with TrustZone, MCU with 1-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 144 20x20x1.4 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	1024	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	20	-	-	2	-	112	-	-	2	-	4	1	6	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	0.03	111	-40	85
STM32H563ZI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-MByte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 144 20x20x1.4 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	1024	true	640	-	2	16,20	2	Dual Watchdog,RTC,SysTick	2	18,20	-	-	2	-	-	-	-	2	-	4	1	6	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	MD5,SHA-1,SHA-2,TRNG	Isolation TrustZone,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	0.03	111	-40	125,85
STM32H573AI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-Mbyte Flash, 640-Kbyte RAM, 250 MHz CPU	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	20	-	-	2	-	134,136	-	-	2	-	4	1	6	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	AES,MD5,OTF DEC,PKA,S-AES,S-ECC,S-RSA,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	0.03	111,66	-40	125,85
STM32H573II	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-Mbyte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	20	-	-	2	-	139,140	-	-	2	-	4	1	6	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	AES,MD5,OTF DEC,PKA,S-AES,S-ECC,S-RSA,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	0.03	111,66	-40	125,85
STM32H573MI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-Mbyte Flash, 640-Kbyte RAM, 250 MHz CPU	WLCSP 80 3.50x3.27x0.6 P 0.35 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	16	-	-	2	-	78	-	-	2	-	4	1	6	3	5	6	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	AES,MD5,OTF DEC,PKA,S-AES,S-ECC,S-RSA,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	0.03	66	-40	125
STM32H573RI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-Mbyte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 64 10x10x1.4 mm,VFQFPN 68 8x8x1.0 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	16	-	-	2	-	53	-	-	2	-	4	1	6	3	5	6	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	AES,MD5,OTF DEC,PKA,S-AES,S-ECC,S-RSA,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	0.03	111	-40	85
STM32H573VI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-Mbyte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	14,16	-	-	2	-	78,80	-	-	2	-	4	1	5	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	AES,MD5,OTF DEC,PKA,S-AES,S-ECC,S-RSA,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	-	Internal	1.62	3.6	0.03	111,66	-40	125,85
STM32H573ZI	High-performance, Arm Cortex-M33 with TrustZone, MCU with 2-Mbyte Flash, 640-Kbyte RAM, 250 MHz CPU	LQFP 144 20x20x1.4 mm	Arm Cortex-M33	250	Single-precision FPU	Cordic,FMAC	250	-	2048	true	640	-	2	16	2	Dual Watchdog,RTC,SysTick	2	18,20	-	-	2	-	110,112	-	-	2	-	4	1	6	3	6	7	-	Camera Interface,Ethernet,SAI,SD/MMC	FMC,Octo SPI	USB FS,USB Type-C	AES,MD5,OTF DEC,PKA,S-AES,S-ECC,S-RSA,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	-	Internal	1.62	3.6	0.03	111,66	-40	125,85
STM32H723VE	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 512 Kbytes Flash, 564 Kbytes RAM, 550 MHz CPU, L1 cache, external memory interface, subset of peripherals	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	-	512	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	17,4	2	14	-	2	80	Segment LCD	Chrom-ART	3	-	5	-	5	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62,1.71	3.6	4	270	-40	85
STM32H723VG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 Kbytes RAM, 550 MHz CPU, L1 cache, external memory interface, subset of peripherals	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	-	1024	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	17,4	2	14	-	2	80	Segment LCD	Chrom-ART	3	-	5	-	5	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62,1.71	3.6	4	270	-40	85
STM32H723ZE	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 512 Kbytes Flash, 564 Kbytes RAM, 550 MHz CPU, L1 cache, external memory interface, subset of peripherals	LQFP 144 20x20x1.4 mm,UFBGA 144 7x7x0.6 P 0.5 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	-	512	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	12,17	2	16,18	-	2	112,114	Segment LCD	Chrom-ART	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H723ZG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 KB RAM, 550 MHz CPU, L1 cache, external memory interface, subset of peripherals	LQFP 144 20x20x1.4 mm,UFBGA 144 7x7x0.6 P 0.5 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	-	1024	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	12,17	2	16,18	-	2	112,114	Segment LCD	Chrom-ART	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H725AE	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 512 KBytes Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	512	-	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	15	2	22	2	2	121	Segment LCD	-	3	-	5	-	4	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	150	-40	85
STM32H725AG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	1024	-	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	15	2	22	2	2	121	Segment LCD	-	3	-	5	-	4	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	150	-40	125,85
STM32H725IE	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 512 KBytes Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	512	-	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	12,17	2	18,22	2	2	119,128	Segment LCD	-	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	150	-40	85
STM32H725IG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	1024	-	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	17,18	2	18,22	2	2	119,128	Segment LCD	-	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	150	-40	125,85
STM32H725RE	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 512 KBytes Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals	VFQFPN 68 8x8x1.0 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	512	-	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	2	2	14	2	2	46	Segment LCD	-	2	-	4	-	4	4	4	4	2	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	Quad SPI	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	Internal	1.71	3.6	4	150	-40	85
STM32H725RG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals	VFQFPN 68 8x8x1.0 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	1024	-	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	2	2	14	2	2	46	Segment LCD	-	2	-	4	-	4	4	4	4	2	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	Quad SPI	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	Internal	1.71	3.6	4	150	-40	125,85
STM32H725VE	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 512 KBytes Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	512	-	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	4	2	14	2	2	67	Segment LCD	Chrom-ART	3	-	5	-	5	4	4	4,5	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62,1.71	3.6	4	150	-40	85
STM32H725VG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm,WLCSP 115 3.8x4.2x0.6 P 0.35 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	1024	-	564	64/128	-	16,17	4	Dual Watchdog,LP timer,RTC,SysTick	1	2,4	2	14	2	2	67	Segment LCD	Chrom-ART	3	-	5	-	5,6	4	4	5	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62,1.71	3.6	4	150	-40	125,85
STM32H725ZE	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 512 KBytes Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	512	-	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	12	2	18	2	2	97	Segment LCD	Chrom-ART	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	150	-40	85
STM32H725ZG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	1024	-	564	64/128	-	16	4	Dual Watchdog,LP timer,RTC,SysTick	1	12	2	18	2	2	97	LCD TFT Controller	Chrom-ART	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	150	-40	125,85
STM32H730AB	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 128 Kbytes Flash, 564 Kbytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals including a Crypto accelerator	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	-	128	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	15	2	22	2	2	-	Segment LCD	-	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	150	-40	85
STM32H730IB	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 128 Kbytes Flash, 564 Kbytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals including a Crypto accelerator	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	-	128	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	12,17	2	18,22	2	2	-	Segment LCD	-	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	150	-40	85
STM32H730VB	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 128 Kbytes Flash, 564 Kbytes RAM, 550 MHz CPU, L1 cache, external memory interface, subset of peripherals including a Crypto accelerator	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	-	128	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	17,4	2	14	2	2	-	Segment LCD	Chrom-ART	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62,1.71	3.6	4	270	-40	85
STM32H730ZB	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 128 Kbytes Flash, 564 Kbytes RAM, 550 MHz CPU, L1 cache, external memory interface, subset of peripherals, including a Crypto accelerator	LQFP 144 20x20x1.4 mm,UFBGA 144 7x7x0.6 P 0.5 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	-	128	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	12,17	2	16,18	2	2	-	Segment LCD	Chrom-ART	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	270	-40	85
STM32H733VG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 Kbytes RAM, 550 MHz CPU, L1 cache, external memory interface, subset of peripherals including a Crypto accelerator	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	1024	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	4	2	14	2	2	80	Segment LCD	Chrom-ART	3	-	5	-	5	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62,1.71	3.6	4	270	-40	85
STM32H733ZG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 Kbytes RAM, 550 MHz CPU, L1 cache, external memory interface, subset of peripherals, including a Crypto accelerator	LQFP 144 20x20x1.4 mm,UFBGA 144 7x7x0.6 P 0.5 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	-	1024	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	11,12	2	18,20	2	2	112,114	Segment LCD	Chrom-ART	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H735AG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals including a Crypto accelerator	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	1024	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	15	2	22	2	2	121	Segment LCD	-	3	-	5	-	4	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	150	-40	85
STM32H735IG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals including a Crypto accelerator	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	1024	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	12,17	2	18,22	2	2	119,128	Segment LCD	-	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	150	-40	125,85
STM32H735RG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals including a Crypto accelerator	VFQFPN 68 8x8x1.0 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	1024	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	2	2	14	2	2	46	Segment LCD	-	2	-	4	-	4	4	4	4	2	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	-	-	Internal	1.71	3.6	4	150	-40	85
STM32H735VG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals including a Crypto accelerator	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm,WLCSP 115 3.8x4.2x0.6 P 0.35 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	1024	false	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	2,4	2	14	2	2	67	Segment LCD	Chrom-ART	3	-	5	-	5,6	4	4	5	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62,1.71	3.6	4	150	-40	85
STM32H735ZG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte Flash, 564 KBytes RAM, 550 MHz CPU, L1 cache, external memory interface, SMPS, subset of peripherals including a Crypto accelerator	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	550	-	Cordic,FMAC	275	32 + 32	1024	-	564	64/128	-	17	4	Dual Watchdog,LP timer,RTC,SysTick	1	12	2	18	2	2	97	Segment LCD	Chrom-ART	3	-	5	-	6	4	5	6	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	150	-40	85
STM32H742AG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MByte of Flash memory, 692KB RAM, 480 MHz CPU, L1 cache, external memory interface, subset of peripherals	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M7	480	-	-	-	-	1024	true	692	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	1	-	-	32	2	2	132	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H742AI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 692KB RAM, 480 MHz CPU, L1 cache, external memory interface, subset of peripherals	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	692	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	-	32	2	2	132	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H742BG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MBytes of Flash memory, 692KBytes RAM, 480 MHz CPU, L1 cache, external memory interface, subset of peripherals	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	480	-	-	-	-	1024	true	692	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	-	32	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H742BI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 692KBytes RAM, 480 MHz CPU, L1 cache, external memory interface, subset of peripherals	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	692	-	-	12	2	LP timer,RTC	-	-	-	32	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H742IG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MBytes of Flash memory, 692KBytes RAM, 480 MHz CPU, L1 cache, external memory interface, subset of peripherals	UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	480	-	-	-	-	1024	true	692	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	-	32	2	2	138	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H742II	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 692KBytes RAM, 480 MHz CPU, L1 cache, external memory interface, subset of peripherals	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	692	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	-	32	2	2	138	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H742VG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MBytes of Flash memory, 692KB RAM, 480 MHz CPU, L1 cache, external memory interface, subset of peripherals	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	480	-	-	-	-	1024	true	692	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	-	16	2	2	82	-	Chrom-ART	2	-	4	-	5	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.71	3.6	4	270	-40	85
STM32H742VI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 692KB RAM, 480 MHz CPU, L1 cache, external memory interface, subset of peripherals	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	692	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	-	16	2	2	82	-	Chrom-ART	2	-	4	-	5	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.71	3.6	4	270	-40	85
STM32H742XG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MByte of Flash memory, 692KB RAM, 480 MHz CPU, L1 cache, external memory interface, subset of peripherals	TFBGA 240+25 14x14x1.2 P 0.8 mm	Arm Cortex-M7	480	-	-	-	-	1024	true	692	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	-	36	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H742XI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 692KB RAM, 480 MHz CPU, L1 cache, external memory interface, subset of peripherals	TFBGA 240+25 14x14x1.2 P 0.8 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	692	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	-	36	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H742ZG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MByte of Flash memory, 692KB RAM, 480 MHz CPU, L1 cache, external memory interface, subset of peripherals	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	480	-	-	-	-	1024	true	692	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	-	28	2	2	114	-	Chrom-ART	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85

STM32H742ZI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 692KB RAM, 480 MHz CPU, L1 cache, external memory interface, subset of peripherals	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	692	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	-	28	2	2	114	-	Chrom-ART	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H743AG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1 MByte of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, large set of peripherals	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M7	480	-	-	-	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	3	32	2	2	132	LCD TFT Controller	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H743AI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, large set of peripherals	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	3	32	2	2	132	LCD TFT Controller	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H743BG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MByte of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, large set of peripherals	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	480	-	-	-	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	3	32	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H743BI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, large set of peripherals	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	3	32	2	2	168	LCD TFT Controller	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H743IG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MByte of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, large set of peripherals	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	480	-	-	-	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	3	20,32	2	2	140	Segment LCD	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H743II	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	3	32	2	2	140	LCD TFT Controller	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H743VG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MBytes of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, large set of peripherals	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	480	-	-	-	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	3	16	2	2	82	-	Chrom-ART,JPEG Codec	2	-	4	-	5	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.71	3.6	4	270	-40	85
STM32H743VI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	3	16	2	2	82	LCD TFT Controller	Chrom-ART,JPEG Codec	2	-	4	-	5	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.71	3.6	4	270	-40	85
STM32H743XG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MByte of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, large set of peripherals	TFBGA 240+25 14x14x1.2 P 0.8 mm	Arm Cortex-M7	480	-	-	-	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	3	36	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H743XI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals	TFBGA 240+25 14x14x1.2 P 0.8 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	3	36	2	2	168	LCD TFT Controller	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H743ZG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MByte of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, large set of peripherals	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	480	-	-	-	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	3	28	2	2	114	-	Chrom-ART,JPEG Codec	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H743ZI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	1024	-	-	12	2	LP timer	-	-	3	28	2	2	114	LCD TFT Controller	Chrom-ART,JPEG Codec	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H745BG	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 1MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS	LQFP 208 28x28x1.4 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	-	32	2	2	150	LCD TFT Controller	-	2	-	4	-	6	3	4	4	2	Camera Interface,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	4	-	-40	85
STM32H745BI	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS	LQFP 208 28x28x1.4 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	32	2	2	150	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	125,85
STM32H745IG	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 1MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	28,36	2	2	121,128	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H745II	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	28,36	2	2	121,128	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	125,85
STM32H745XG	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 1MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS	TFBGA 240+25 14x14x1.2 P 0.8 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	36	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H745XI	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS	TFBGA 240+25 14x14x1.2 P 0.8 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	36	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	125,85
STM32H745ZG	High-performance and DSP with DP-FPU, Dual core Arm Cortex-M7+ Cortex-M4 MCU with 1MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS	LQFP 144 20x20x1.4 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	23	2	2	99	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H745ZI	High-performance and DSP with DP-FPU, Dual core Arm Cortex-M7+ Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS	LQFP 144 20x20x1.4 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	23	2	2	99	-	Chrom-ART,JPEG Codec	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	125,85
STM32H747AG	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 1MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS, MIPI-DSI	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	28	2	2	114	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H747AI	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS, MIPI-DSI	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	28	2	2	114	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H747BG	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 1MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS, MIPI-DSI	LQFP 208 28x28x1.4 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	32	2	2	141	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H747BI	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS	LQFP 208 28x28x1.4 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	32	2	2	141	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H747IG	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 1MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS, MIPI-DSI	LQFP 176 24x24x1.4 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	28	2	2	114	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H747II	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS, MIPI-DSI	LQFP 176 24x24x1.4 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	28	2	2	114	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H747XG	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 1MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS, MIPI-DSI	TFBGA 240+25 14x14x1.2 P 0.8 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	1024	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	36	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H747XI	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS	TFBGA 240+25 14x14x1.2 P 0.8 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	36	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H747ZI	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals, SMPS	WLCSP 156 5x4.7x0.6 P 0.35 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	23	2	2	101	-	-	2	-	4	-	5	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H750IB	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 128Kbytes of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, HW crypto, large set of peripherals	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	480	-	-	-	-	128	-	1024	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	3	32	2	2	138,140	LCD TFT Controller	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H750VB	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 128 Kbytes of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, HW crypto, large set of peripherals	LQFP 100 14x14x1.4 mm	Arm Cortex-M7	480	-	-	-	-	128	-	1024	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	3	16	2	2	82	LCD TFT Controller	Chrom-ART,JPEG Codec	2	-	4	-	5	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.71	3.6	4	270	-40	85
STM32H750XB	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 128KBytes of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, HW crypto, large set of peripherals	TFBGA 240+25 14x14x1.2 P 0.8 mm	Arm Cortex-M7	480	-	-	-	-	128	-	1024	-	-	12	2	Dual Watchdog,HR timer,LP timer,RTC,SysTick	-	-	3	36	2	2	168	LCD TFT Controller	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H750ZB	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 128 Kbytes of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, HW crypto, large set of peripherals	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	480	-	-	-	-	128	-	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	28	2	2	114	LCD TFT Controller	Chrom-ART,JPEG Codec	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H753AI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals including a Crypto accelerator	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	32	2	2	132	LCD TFT Controller	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H753BI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, HW crypto, large set of peripherals	LQFP 208 28x28x1.4 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	32	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H753II	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, HW crypto, large set of peripherals	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	32	2	2	140	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H753VI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, HW crypto, large set of peripherals	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	16	2	2	82	-	Chrom-ART,JPEG Codec	2	-	4	-	5	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.71	3.6	4	270	-40	85
STM32H753XI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, HW crypto, large set of peripherals	TFBGA 240+25 14x14x1.2 P 0.8 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	36	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H753ZI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, L1 cache, external memory interface, JPEG codec, HW crypto, large set of peripherals	LQFP 144 20x20x1.4 mm	Arm Cortex-M7	480	-	-	-	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	28	2	2	114	LCD TFT Controller	Chrom-ART,JPEG Codec	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	4	270	-40	85
STM32H755BI	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals including a Crypto accelerator, SMPS	LQFP 208 28x28x1.4 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	16 + 16	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	32	2	2	150	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	125,85
STM32H755II	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals including a Crypto accelerator, SMPS	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M4,Arm Cortex-M7	300,480	-	-	240	16 + 16	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	28,36	2	2	121,128	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	125,85
STM32H755XI	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals including a Crypto accelerator, SMPS	TFBGA 240+25 14x14x1.2 P 0.8 mm	Arm Cortex-M4,Arm Cortex-M7	300,480	-	-	240	16 + 16	2048	true	1024	-	-	16	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	-	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	Internal	1.62	3.6	-	-	-40	125,85
STM32H755ZI	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals including a Crypto accelerator, SMPS	LQFP 144 20x20x1.4 mm	Arm Cortex-M4,Arm Cortex-M7	300,480	-	-	240	16 + 16	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	23	2	2	99	-	Chrom-ART,JPEG Codec	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	125,85
STM32H757AI	High-performance Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, external memory interface, many peripherals including a Crypto accelerator and security services, SMPS, MIPI-DSI	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	28	2	2	114	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H757BI	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals including a Crypto accelerator, SMPS	LQFP 208 28x28x1.4 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	32	2	2	141	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H757II	High-performance Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, external memory interface, many peripherals including a Crypto accelerator and security services, SMPS, MIPI-DSI	LQFP 176 24x24x1.4 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	28	2	2	114	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	-	-	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H757XI	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals including a Crypto accelerator, SMPS	TFBGA 240+25 14x14x1.2 P 0.8 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	36	2	2	168	-	-	2	-	4	-	6	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H757ZI	High-performance and DSP with DP-FPU, Arm Cortex-M7 + Cortex-M4 MCU with 2MBytes of Flash memory, 1MB RAM, 480 MHz CPU, Art Accelerator, L1 cache, external memory interface, large set of peripherals including a Crypto accelerator, SMPS	WLCSP 156 5x4.7x0.6 P 0.35 mm	Arm Cortex-M4,Arm Cortex-M7	480	-	-	240	-	2048	true	1024	-	-	12	2	Dual Watchdog,HR timer,RTC,SysTick	-	-	-	23	2	2	101	-	-	2	-	4	-	5	3	4	4	2	Camera Interface,DFSDM,Ethernet,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	USB OTG FS,USB OTG FS + USB OTG FS/HS	AES,DES/TDES,MD5,OTF DEC,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Silicon Device Lifecycle,Software IP Protection	100Mbps (IEEE 1588)	1	-	1.62	3.6	-	-	-40	85
STM32H7A3AG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MBytes of Flash memory, 1376 KB SRAM, 280 MHz CPU, L1 cache, graphic accelerations, external memory interfaces, SMPS and large set of peripherals	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M7	280	-	-	-	-	1024	true	1184	64/128	-	-	-	LP timer,RTC,SysTick,WWDG	1	-	-	-	-	-	121	LCD TFT Controller	-	-	-	4	-	-	-	-	-	-	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	Internal	1.62	3.6	-	57	-40	85
STM32H7A3AI	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1376 KB SRAM, 280 MHz CPU, L1 cache, graphic accelerations, external memory interfaces, SMPS and large set of peripherals	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M7	280	-	-	-	-	2048	true	1184	64/128	-	-	-	LP timer,RTC,SysTick,WWDG	-	-	-	-	-	-	121	LCD TFT Controller	-	-	-	4	-	-	-	-	-	-	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	Internal	1.62	3.6	-	57	-40	85
STM32H7A3IG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MBytes of Flash memory, 1376 KB SRAM, 280 MHz CPU, L1 cache, graphic accelerations, external memory interfaces and large set of peripherals	LQFP 176 24x24x1.4 mm	Arm Cortex-M7	280	-	-	-	-	1024	true	1184	64/128	-	-	-	LP timer,RTC,SysTick,WWDG	-	-	-	-	-	-	119,128,138	LCD TFT Controller	-	-	-	4	-	-	-	-	-	-	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	Internal	1.62	3.6	-	57	-40	85
STM32H7A3II	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 2MBytes of Flash memory, 1376 KB SRAM, 280 MHz CPU, L1 cache, graphic accelerations, external memory interfaces and large set of peripherals	LQFP 176 24x24x1.4 mm,UFBGA 176+25 10x10x0.6 P 0.65 mm	Arm Cortex-M7	280	-	-	-	-	2048	true	1184	64/128	-	-	-	LP timer,RTC,SysTick,WWDG	-	-	-	-	-	-	119,128,138	LCD TFT Controller	-	-	-	4	-	-	-	-	-	-	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	Internal	1.62	3.6	-	57	-40	85
STM32H7A3LG	High-performance and DSP with DP-FPU, Arm Cortex-M7 MCU with 1MBytes of Flash memory, 1376 KB SRAM, 280 MHz CPU, L1 cache, graphic accelerations, external memory interfaces, SMPS and large set of peripherals	TFBGA 225 13x13x1.2 P 0.8 mm	Arm Cortex-M7	280	-	-	-	-	1024	true	1184	64/128	-	-	-	LP timer,RTC,SysTick,WWDG	-	-	-	-	-	-	168	LCD TFT Controller	-	-	-	4	-	-	-	-	-	-	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS + USB OTG FS/HS	TRNG	Abnormal Situation Handling,Application Lifecycle,Identification / Authentication / Attestation,Isolation Firewall,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	-	1.62	3.6	-	57	-40	85

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Microcontrollers & Microprocessors / STM32 32-bit Arm Cortex MCUs/STM32 Mainstream MCUs

Part Number	General Description	Package	Core	Operating Frequency (MHz)	Co-Processor type	Co-Processor frequency (MHz) max	Flash Size (kB) [Prog]	Dual-bank Flash	RAM Size (kB)	CCM RAM (I/D) (kBytes) typ	Timers (16-bit) typ	Timers (32-bit) typ	Other timer functions	A/D Converters 12-bit		A/D Converters 16-bit		D/A Converters (12-bit) typ	Comparator	I/Os (High Current)	CAN (FD)	CAN (2.0)	I2C typ	SPI typ	I2S typ	USART typ	UART typ	Integrated op-amps	Additional Interfaces	External Memory Interfaces	USB Type	Cryptography	Security Functions	Ethernet	Ethernet ports typ	Supply Voltage (V) min	Supply Voltage (V) max	Supply Current (µA) [@ Lowest Power] typ	Supply Current (µA) [Run Mode (per MHz)] typ	Operating Temperature (°C) min	Operating Temperature (°C) max
														Number of A/D Converters typ	Number of Channels typ	Number of A/D Converters typ	Number of Channels typ																								
STM32C011D6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 6 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	WLCSP 12 1.7x1.42x0.6 P 0.35 mm	Arm Cortex-M0+	48	-	-	32	-	6	-	5	-	IWDG,SysTick, WWDG	1	9	-	-	-	-	10	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	85
STM32C011F4	Mainstream Arm Cortex-M0+ MCU with 16 Kbytes of Flash memory, 6 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	TSSOP-20,UFQFPN 20 3x3x0.6 mm	Arm Cortex-M0+	48	-	-	16	false	6	-	5	-	IWDG,SysTick, WWDG	1	15	-	-	-	-	18	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	105,125,85
STM32C011F6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 6 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	TSSOP-20,UFQFPN 20 3x3x0.6 mm	Arm Cortex-M0+	48	-	-	32	-	6	-	5	-	IWDG,SysTick, WWDG	1	15	-	-	-	-	18	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	105,125,85
STM32C011J4	Mainstream Arm Cortex-M0+ MCU with 16 Kbytes of Flash memory, 6 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	SO-8	Arm Cortex-M0+	48	-	-	16	-	6	-	5	-	IWDG,SysTick, WWDG	1	7	-	-	-	-	6	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	85
STM32C011J6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 6 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	SO-8	Arm Cortex-M0+	48	-	-	32	-	6	-	5	-	IWDG,SysTick, WWDG	1	7	-	-	-	-	6	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	85
STM32C031C4	Mainstream Arm Cortex-M0+ MCU with 16 Kbytes of Flash memory, 12 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	LQFP 48 7x7x1.4 mm,LFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	48	-	-	16	-	12	-	5	-	IWDG,SysTick, WWDG	1	21	-	-	-	-	45	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	85
STM32C031C6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 12 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	LQFP 48 7x7x1.4 mm,LFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	48	-	-	32	-	12	-	5	-	IWDG,SysTick, WWDG	1	21	-	-	-	-	45	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	105,85
STM32C031F4	Mainstream Arm Cortex-M0+ MCU with 16 Kbytes of Flash memory, 12 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	TSSOP-20	Arm Cortex-M0+	48	-	-	16	-	12	-	5	-	IWDG,SysTick, WWDG	1	15	-	-	-	-	18	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	85
STM32C031F6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 12 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	TSSOP-20	Arm Cortex-M0+	48	-	-	32	-	12	-	5	-	IWDG,SysTick, WWDG	1	15	-	-	-	-	18	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	105,85
STM32C031G4	Mainstream Arm Cortex-M0+ MCU with 16 Kbytes of Flash memory, 12 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	48	-	-	16	-	12	-	5	-	IWDG,SysTick, WWDG	1	17	-	-	-	-	26	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	85
STM32C031G6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 12 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	48	-	-	32	-	12	-	5	-	IWDG,SysTick, WWDG	1	17	-	-	-	-	26	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	105,125,85
STM32C031K4	Mainstream Arm Cortex-M0+ MCU with 16 Kbytes of Flash memory, 12 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	LQFP 32 7x7x1.4 mm,LFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	48	-	-	16	-	12	-	5	-	IWDG,SysTick, WWDG	1	18	-	-	-	-	30	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	105,85
STM32C031K6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 12 Kbytes RAM, 48 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	LQFP 32 7x7x1.4 mm,LFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	48	-	-	32	-	12	-	5	-	IWDG,SysTick, WWDG	1	18	-	-	-	-	30	-	-	1	1	1	2	-	-	-	-	-	-	Silicon Device Lifecycle,Software IP Protection	-	-	2	3.6	-	-	-40	105,85
STM32F030C6	Mainstream Arm Cortex-M0 Value line MCU with 32 Kbytes of Flash memory, 48 MHz CPU	LQFP 48 7x7x1.4 mm	Arm Cortex-M0	48	-	-	32	-	4	-	5	-	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	39	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	2.4	3.6	3.4	250	-40	85
STM32F030C8	Mainstream Arm Cortex-M0 Value line MCU with 64 Kbytes of Flash memory, 48 MHz CPU	LQFP 48 7x7x1.4 mm	Arm Cortex-M0	48	-	-	64	-	8	-	7	-	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	39	-	-	2	2	-	2	-	-	-	-	-	-	-	-	-	2.4	3.6	3.4	250	-40	85
STM32F030CC	Mainstream Arm Cortex-M0 Value line MCU with 256 Kbytes of Flash memory, 48 MHz CPU	LQFP 48 7x7x1.4 mm	Arm Cortex-M0	48	-	-	256	false	32	-	8	-	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	37	-	-	2	2	-	6	-	-	-	-	-	-	-	-	-	2.4	3.6	1.8	306	-40	85
STM32F030F4	Mainstream Arm Cortex-M0 Value line MCU with 16 Kbytes of Flash memory, 48 MHz CPU	TSSOP-20	Arm Cortex-M0	48	-	-	16	-	4	-	5	-	Dual Watchdog,RTC, SysTick	-	9	-	-	-	-	15	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	2.4	3.6	3.4	250	-40	85
STM32F030K6	Mainstream Arm Cortex-M0 Value line MCU with 32 Kbytes of Flash memory, 48 MHz CPU	LQFP 32 7x7x1.4 mm	Arm Cortex-M0	48	-	-	32	-	4	-	5	-	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	25	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	2.4	3.6	3.4	250	-40	85
STM32F030R8	Mainstream Arm Cortex-M0 Value line MCU with 64 Kbytes of Flash memory, 48 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M0	48	-	-	64	-	8	-	7	-	Dual Watchdog,RTC, SysTick	-	16	-	-	-	-	55	-	-	2	2	-	2	-	-	-	-	-	-	-	-	-	2.4	3.6	3.4	250	-40	85
STM32F030RC	Mainstream Arm Cortex-M0 Value line MCU with 256 Kbytes of Flash memory, 48 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M0	48	-	-	256	false	32	-	8	-	Dual Watchdog,RTC, SysTick	-	16	-	-	-	-	51	-	-	2	2	-	6	-	-	-	-	-	-	-	-	-	2.4	3.6	1.8	306	-40	85
STM32F031C4	Mainstream Arm Cortex-M0 Access line MCU with 16 Kbytes of Flash memory, 48 MHz CPU, motor control	LQFP 48 7x7x1.4 mm	Arm Cortex-M0	48	-	-	16	-	4	-	5	1	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	39	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	2	3.6	1.7	250	-40	85
STM32F031C6	Mainstream Arm Cortex-M0 Access line MCU with 32 Kbytes of Flash memory, 48 MHz CPU, motor control	LQFP 48 7x7x1.4 mm	Arm Cortex-M0	48	-	-	32	-	4	-	5	1	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	39	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F031E6	Mainstream Arm Cortex-M0 Access line MCU with 32 Kbytes of Flash memory, 48 MHz CPU, motor control	WLCSP 25 2.5x2.4x0.6 P 0.4 mm	Arm Cortex-M0	48	-	-	32	-	4	-	5	1	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	20	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	2	3.6	1.7	250	-40	85
STM32F031F4	Mainstream Arm Cortex-M0 Access line MCU with 16 Kbytes of Flash memory, 48 MHz CPU	TSSOP-20	Arm Cortex-M0	48	-	-	16	-	4	-	5	1	Dual Watchdog,RTC, SysTick	-	9	-	-	-	-	15	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F031G4	Mainstream Arm Cortex-M0 Access line MCU with 16 Kbytes of Flash memory, 48 MHz CPU, motor control	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0	48	-	-	16	-	4	-	5	1	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	23	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F031G6	Mainstream Arm Cortex-M0 Access line MCU with 32 Kbytes of Flash memory, 48 MHz CPU, motor control	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0	48	-	-	32	-	4	-	5	1	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	23	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F031K4	Mainstream Arm Cortex-M0 Access line MCU with 16 Kbytes of Flash memory, 48 MHz CPU	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0	48	-	-	16	-	4	-	5	1	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	27	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	2	3.6	1.7	250	-40	85
STM32F031K6	Mainstream Arm Cortex-M0 Access line MCU with 32 Kbytes of Flash memory, 48 MHz CPU, motor control	LQFP 32 7x7x1.4 mm,LFQFPN 32 5x5x0.55 mm	Arm Cortex-M0	48	-	-	32	-	4	-	5	1	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	25,27	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F038C6	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	LQFP 48 7x7x1.4 mm	Arm Cortex-M0	48	-	-	32	false	4	-	5	1	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	38	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	1.65	1.95	1.7	250	-40	105,85
STM32F088C6	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	WLCSP 25 2.5x2.4x0.6 P 0.4 mm	Arm Cortex-M0	48	-	-	32	false	4	-	5	1	Dual Watchdog,RTC, SysTick	-	10	-	-	-	-	20	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	1.65	1.95	1.7	250	-40	85
STM32F088C8	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	TSSOP-20	Arm Cortex-M0	48	-	-	32	false	4	-	5	1	Dual Watchdog,RTC, SysTick	1	8	-	-	-	-	14	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	1.65	1.95	1.7	250	-40	85
STM32F088G6	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0	48	-	-	32	-	4	-	5	1	Dual Watchdog,RTC, SysTick	1	9	-	-	-	-	22	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	1.65	1.95	1.7	250	-40	85
STM32F088K6	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0	48	-	-	32	false	4	-	5	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	26	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	1.65	1.95	1.7	250	-40	85
STM32F042C4	Mainstream Arm Cortex-M0 USB line MCU with 16 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	LQFP 48 7x7x1.4 mm,LFQFPN 48 7x7x0.55 mm	Arm Cortex-M0	48	-	-	16	-	6	-	5	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	38	-	1	1	2	1	2	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.7	250	-40	85
STM32F042C6	Mainstream Arm Cortex-M0 USB line MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	LQFP 48 7x7x1.4 mm,LFQFPN 48 7x7x0.55 mm	Arm Cortex-M0	48	-	-	32	-	6	-	5	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	38	-	1	1	2	1	2	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F042F4	Mainstream Arm Cortex-M0 USB line MCU with 16 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	TSSOP-20	Arm Cortex-M0	48	-	-	16	-	6	-	5	1	Dual Watchdog,RTC, SysTick	1	9	-	-	-	-	16	-	1	1	1	1	2	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.7	250	-40	85
STM32F042F6	Mainstream Arm Cortex-M0 USB line MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	TSSOP-20	Arm Cortex-M0	48	-	-	32	-	6	-	5	1	Dual Watchdog,RTC, SysTick	1	9	-	-	-	-	16	-	1	1	1	1	2	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F042G4	Mainstream Arm Cortex-M0 USB line MCU with 16 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0	48	-	-	16	-	6	-	5	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	23	-	1	1	1	1	2	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.7	250	-40	85
STM32F042G6	Mainstream Arm Cortex-M0 USB line MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0	48	-	-	32	-	6	-	5	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	23	-	1	1	1	1	2	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F042K4	Mainstream Arm Cortex-M0 USB line MCU with 16 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	LQFP 32 7x7x1.4 mm,LFQFPN 32 5x5x0.55 mm	Arm Cortex-M0	48	-	-	16	-	6	-	5	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	26,28	-	1	1	1	1	2	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.7	250	-40	85
STM32F042K6	Mainstream Arm Cortex-M0 USB line MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	LQFP 32 7x7x1.4 mm,LFQFPN 32 5x5x0.55 mm	Arm Cortex-M0	48	-	-	32	-	6	-	5	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	26,28	-	1	1	1	1	2	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F042T6	Mainstream Arm Cortex-M0 USB line MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	WLCSP 36 2.6x2.7x0.6 P 0.4 mm	Arm Cortex-M0	48	-	-	32	-	6	-	5	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	30	-	1	1	1	1	2	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.7	250	-40	85
STM32F048C6	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0	48	-	-	32	false	6	-	5	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	37	-	-	1	2	1	2	-	-	HDMI CEC	-	USB Device	-	-	-	1.65	1.95	1.7	250	-40	85
STM32F048G6	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0	48	-	-	32	false	6	-	5	1	Dual Watchdog,RTC, SysTick	1	9	-	-	-	-	22	-	1	1	1	1	2	-	-	HDMI CEC	-	USB Device	-	-	-	1.65	1.95	1.7	250	-40	85
STM32F048T6	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	WLCSP 36 2.6x2.7x0.6 P 0.4 mm	Arm Cortex-M0	48	-	-	32	false	6	-	5	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	29	-	-	1	1	1	2	-	-	HDMI CEC	-	USB Device	-	-	-	1.65	1.95	1.7	250	-40	85
STM32F051C4	Mainstream Arm Cortex-M0 Access line MCU with 16 Kbytes of Flash memory, 48 MHz CPU, motor control and CEC functions	LQFP 48 7x7x1.4 mm,LFQFPN 48 7x7x0.55 mm	Arm Cortex-M0	48	-	-	16	-	8	-	7	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	1	39	-	-	1	1	1	1	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	250	-40	85
STM32F051C6	Mainstream Arm Cortex-M0 Access line MCU with 32 Kbytes of Flash memory, 48 MHz CPU, motor control and CEC functions	LQFP 48 7x7x1.4 mm,LFQFPN 48 7x7x0.55 mm	Arm Cortex-M0	48	-	-	32	-	8	-	7	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	1	39	-	-	1	1	1	2	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F051C8	Mainstream Arm Cortex-M0 Access line MCU with 64 Kbytes of Flash memory, 48 MHz CPU, motor control and CEC functions	LQFP 48 7x7x1.4 mm,LFQFPN 48 7x7x0.55 mm	Arm Cortex-M0	48	-	-	64	-	8	-	7	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	1	39	-	-	2	2	1	2	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F051K4	Mainstream Arm Cortex-M0 Access line MCU with 16 Kbytes of Flash memory, 48 MHz CPU, motor control and CEC functions	LQFP 32 7x7x1.4 mm,LFQFPN 32 5x5x0.55 mm	Arm Cortex-M0	48	-	-	16	-	8	-	7	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	1	25,27	-	-	1	1	1	1	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F051K6	Mainstream Arm Cortex-M0 Access line MCU with 32 Kbytes of Flash memory, 48 MHz CPU, motor control and CEC functions	LQFP 32 7x7x1.4 mm,LFQFPN 32 5x5x0.55 mm	Arm Cortex-M0	48	-	-	32	-	8	-	7	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	1	25,27	-	-	1	1	1	2	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F051K8	Mainstream Arm Cortex-M0 Access line MCU with 64 Kbytes of Flash memory, 48 MHz CPU, motor control and CEC functions	LQFP 32 7x7x1.4 mm,LFQFPN 32 5x5x0.55 mm	Arm Cortex-M0	48	-	-	64	-	8	-	7	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	1	25,27	-	-	1	1	1	2	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F104R4	Mainstream Arm Cortex-M0 Access line MCU with 16 Kbytes of Flash memory, 48 MHz CPU, motor control and CEC functions	LQFP 64 10x10x1.4 mm	Arm Cortex-M0	48	-	-	16	-	8	-	7	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	1	55	-	-	1	2	1	1	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	250	-40	85
STM32F051R6	Mainstream Arm Cortex-M0 Access line MCU with 32 Kbytes of Flash memory, 48 MHz CPU, motor control and CEC functions	LQFP 64 10x10x1.4 mm	Arm Cortex-M0	48	-	-	32	-	8	-	7	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	1	55	-	-	1	2	1	2	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F051R8	Mainstream Arm Cortex-M0 Access line MCU with 64 Kbytes of Flash memory, 48 MHz CPU, motor control and CEC functions	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M0	48	-	-	64	-	8	-	7	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	1	55	-	-	2	2	1	2	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	250	-40	105,85
STM32F051T8	Mainstream Arm Cortex-M0 Access line MCU with 64 Kbytes of Flash memory, 48 MHz CPU, motor control and CEC functions	WLCSP 36 2.7x2.8x0.6 P 0.4 mm	Arm Cortex-M0	48	-	-	64	-	8	-	7	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	1	29	-	-	1	1	1	2	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	250	-40	85

STM32F058C8	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 64 Kbytes of Flash memory, 48 MHz CPU and CEC functions	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0	48	-	-	64	false	8	-	7	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	1	2	38	-	-	2	2	1	2	-	-	HDMI CEC	-	-	-	-	-	1.65	1.95	1.7	250	-40	85
STM32F058R8	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 64 Kbytes of Flash memory, 48 MHz CPU and CEC functions	LQFP 64 10x10x1.4 mm,LFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M0	48	-	-	64	false	8	-	7	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	1	2	54	-	-	2	2	1	2	-	-	HDMI CEC	-	-	-	-	-	1.65	1.95	1.7	250	-40	105,85
STM32F058T8	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 64 Kbytes of Flash memory, 48 MHz CPU and CEC functions	WLCSP 36 2.7x2.8x0.6 P 0.4 mm	Arm Cortex-M0	48	-	-	64	false	8	-	7	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	1	2	28	-	-	1	1	1	2	-	-	HDMI CEC	-	-	-	-	-	1.65	1.95	1.7	250	-40	85
STM32F070C6	Mainstream Arm Cortex-M0 Value line MCU with up to 32 Kbytes of Flash memory, 48 MHz CPU, USB	LQFP 48 7x7x1.4 mm	Arm Cortex-M0	48	-	-	32	false	6	-	5	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	-	37	-	-	1	1	-	2	-	-	-	-	USB Device	-	-	-	-	2.4	3.6	1.7	264	-40	85
STM32F070CB	Mainstream Arm Cortex-M0 Value line MCU with 128 Kbytes of Flash memory, 48 MHz CPU, USB	LQFP 48 7x7x1.4 mm	Arm Cortex-M0	48	-	-	128	false	16	-	8	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	-	37	-	-	2	2	-	4	-	-	-	-	USB Device	-	-	-	-	2.4	3.6	1.8	273	-40	85
STM32F070F6	Mainstream Arm Cortex-M0 Value line MCU with up to 32 Kbytes of Flash memory, 48 MHz CPU, USB	TSSOP-20	Arm Cortex-M0	48	-	-	32	false	6	-	5	-	Dual Watchdog,RTC, SysTick	1	9	-	-	-	-	-	-	15	-	-	1	1	-	2	-	-	-	-	USB Device	-	-	-	-	2.4	3.6	1.7	264	-40	85
STM32F070RB	Mainstream Arm Cortex-M0 Value line MCU with 128 Kbytes of Flash memory, 48 MHz CPU, USB	LQFP 64 10x10x1.4 mm	Arm Cortex-M0	48	-	-	128	-	16	-	8	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	-	51	-	-	2	2	-	4	-	-	-	-	USB Device	-	-	-	-	2.4	3.6	1.8	273	-40	85
STM32F071C8	Mainstream Arm Cortex-M0 Access line MCU with 64 Kbytes of Flash memory, 48 MHz CPU and CEC functions	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0	48	-	-	64	-	16	-	8	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	2	2	37	-	-	2	2	2	4	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.8	260	-40	85
STM32F071CB	Mainstream Arm Cortex-M0 Access line MCU with 128 Kbytes of Flash memory, 48 MHz CPU and CEC functions	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.3x3.1x0.6 P 0.4 mm	Arm Cortex-M0	48	-	-	128	-	16	-	8	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	2	2	37	-	-	2	2	2	4	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.8	260	-40	105,85
STM32F071RB	Mainstream Arm Cortex-M0 Access line MCU with 128 Kbytes of Flash memory, 48 MHz CPU and CEC functions	LQFP 64 10x10x1.4 mm	Arm Cortex-M0	48	-	-	128	-	16	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	51	-	-	2	2	2	4	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.8	260	-40	105,85
STM32F071VB	Mainstream Arm Cortex-M0 Access line MCU with 64 Kbytes of Flash memory, 48 MHz CPU and CEC functions	LQFP 100 14x14x1.4 mm,LFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0	48	-	-	64	-	16	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	87	-	-	2	2	2	4	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.8	260	-40	105,85
STM32F071VB	Mainstream Arm Cortex-M0 Access line MCU with 128 Kbytes of Flash memory, 48 MHz CPU and CEC functions	LQFP 100 14x14x1.4 mm,LFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0	48	-	-	128	-	16	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	87	-	-	2	2	2	4	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.8	260	-40	85
STM32F072C8	Mainstream Arm Cortex-M0 USB line MCU with 64 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0	48	-	-	64	-	16	-	8	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	2	2	37	-	1	2	2	2	4	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.8	260	-40	105,85
STM32F072CB	Mainstream Arm Cortex-M0 USB line MCU with 128 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.3x3.1x0.6 P 0.4 mm	Arm Cortex-M0	48	-	-	128	-	16	-	8	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	2	2	37	-	1	2	2	2	4	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.8	260	-40	105,85
STM32F072R8	Mainstream Arm Cortex-M0 USB line MCU with 64 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	LQFP 64 10x10x1.4 mm	Arm Cortex-M0	48	-	-	64	-	16	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	51	-	1	2	2	2	4	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.8	260	-40	105,85
STM32F072VB	Mainstream Arm Cortex-M0 USB line MCU with 128 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	LQFP 100 14x14x1.4 mm,LFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0	48	-	-	128	-	16	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	51	-	1	2	2	2	4	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.8	260	-40	105,85
STM32F072VB	Mainstream Arm Cortex-M0 USB line MCU with 64 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	LQFP 100 14x14x1.4 mm,LFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0	48	-	-	64	-	16	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	87	-	1	2	2	2	4	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.8	260	-40	85
STM32F072VB	Mainstream Arm Cortex-M0 USB line MCU with 128 Kbytes of Flash memory, 48 MHz CPU, USB, CAN and CEC functions	LQFP 100 14x14x1.4 mm,LFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0	48	-	-	128	-	16	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	87	-	1	2	2	2	4	-	-	HDMI CEC	-	USB Device	-	-	-	2	3.6	1.8	260	-40	85
STM32F078CB	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 128 Kbytes of Flash memory, 48 MHz CPU, USB and CEC functions	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.3x3.1x0.6 P 0.4 mm	Arm Cortex-M0	48	-	-	128	false	16	-	8	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	2	2	36	-	-	2	2	2	4	-	-	HDMI CEC	-	USB Device	-	-	-	-	1.65	1.95	1.8	260	-40	85
STM32F078RB	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 128 Kbytes of Flash memory, 48 MHz CPU, USB and CEC functions	LQFP 64 10x10x1.4 mm,LFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M0	48	-	-	128	false	16	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	50	-	-	2	2	2	4	-	-	HDMI CEC	-	USB Device	-	-	-	-	1.65	1.95	1.8	260	-40	105,85
STM32F078VB	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 128 Kbytes of Flash memory, 48 MHz CPU, USB and CEC functions	LQFP 100 14x14x1.4 mm,LFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0	48	-	-	128	false	16	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	86	-	-	2	2	2	4	-	-	HDMI CEC	-	USB Device	-	-	-	-	1.65	1.95	1.8	260	-40	85
STM32F091C8	Mainstream Arm Cortex-M0 Access line MCU with 128 Kbytes of Flash memory, 48 MHz CPU, CAN and CEC functions	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0	48	-	-	128	-	32	-	8	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	2	2	38	-	1	2	2	2	6	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.8	306	-40	105,85
STM32F091CC	Mainstream Arm Cortex-M0 Access line MCU with 256 Kbytes of Flash memory, 48 MHz CPU, CAN and CEC functions	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0	48	-	-	256	-	32	-	8	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	2	2	38	-	1	2	2	2	6	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.8	306	-40	105,85
STM32F091RB	Mainstream Arm Cortex-M0 Access line MCU with 128 Kbytes of Flash memory, 48 MHz CPU, CAN and CEC functions	LQFP 64 10x10x1.4 mm	Arm Cortex-M0	48	-	-	128	-	32	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	52	-	1	2	2	2	8	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.8	306	-40	85
STM32F091RC	Mainstream Arm Cortex-M0 Access line MCU with 256 Kbytes of Flash memory, 48 MHz CPU, CAN and CEC functions	LQFP 64 10x10x1.4 mm,LFBGA 64 5x5x0.6 P 0.5 mm,WLCSP 36 3.4x3.0x0.6 P 0.4 mm	Arm Cortex-M0	48	-	-	256	false	32	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	52	-	1	2	2	2	8	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.8	306	-40	105,85
STM32F091VB	Mainstream Arm Cortex-M0 Access line MCU with 128 Kbytes of Flash memory, 48 MHz CPU, CAN and CEC functions	LQFP 100 14x14x1.4 mm	Arm Cortex-M0	48	-	-	128	-	32	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	88	-	1	2	2	2	8	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.8	306	-40	105,85
STM32F091VC	Mainstream Arm Cortex-M0 Access line MCU with 256 Kbytes of Flash memory, 48 MHz CPU, CAN and CEC functions	LQFP 100 14x14x1.4 mm,LFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0	48	-	-	256	-	32	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	88	-	1	2	2	2	8	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.8	306	-40	105,85
STM32F098CC	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 256 Kbytes of Flash memory, 48 MHz CPU, CAN and CEC functions	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0	48	-	-	256	false	32	-	8	1	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	2	2	37	-	1	2	2	2	6	-	-	HDMI CEC	-	-	-	-	-	1.65	1.95	1.8	306	-40	105,85
STM32F098RC	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 256 Kbytes of Flash memory, 48 MHz CPU, CAN and CEC functions	LQFP 64 10x10x1.4 mm,LFBGA 64 5x5x0.6 P 0.5 mm,WLCSP 36 3.4x3.0x0.6 P 0.4 mm	Arm Cortex-M0	48	-	-	256	false	32	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	51	-	1	2	2	2	8	-	-	HDMI CEC	-	-	-	-	-	1.65	1.95	1.8	306	-40	85
STM32F098VC	Mainstream Arm Cortex-M0 Low-voltage line 1,8V MCU with 256 Kbytes of Flash memory, 48 MHz CPU, CAN and CEC functions	LQFP 100 14x14x1.4 mm,LFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0	48	-	-	256	-	32	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	87	-	1	2	2	2	8	-	-	HDMI CEC	-	-	-	-	-	1.65	1.95	1.8	306	-40	85
STM32F330C4	Mainstream Value line, Arm Cortex-M3 MCU with 16 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 48 7x7x1.4 mm	Arm Cortex-M3	24	-	-	16	-	4	-	12	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	2	-	37	-	-	1	1	-	2	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	358	-40	85
STM32F330C6	Mainstream Value line, Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 48 7x7x1.4 mm	Arm Cortex-M3	24	-	-	32	-	4	-	12	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	2	-	37	-	-	1	1	-	2	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	358	-40	105,85
STM32F330C8	Mainstream Value line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 48 7x7x1.4 mm	Arm Cortex-M3	24	-	-	64	-	8	-	12	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	2	-	37	-	-	2	2	-	3	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	358	-40	105,85
STM32F330CB	Mainstream Value line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 48 7x7x1.4 mm	Arm Cortex-M3	24	-	-	128	-	8	-	12	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	2	-	37	-	-	2	2	-	3	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	358	-40	105,85
STM32F330R4	Mainstream Value line, Arm Cortex-M3 MCU with 16 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	24	-	-	16	-	4	-	12	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	51	-	-	1	1	-	2	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	358	-40	85
STM32F330R6	Mainstream Value line, Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	24	-	-	32	-	4	-	12	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	51	-	-	1	1	-	2	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	358	-40	85
STM32F330R8	Mainstream Value line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	24	-	-	64	-	8	-	12	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	51	-	-	2	2	-	3	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	358	-40	105,85
STM32F330RB	Mainstream Value line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	24	-	-	128	-	8	-	12	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	51	-	-	2	2	-	3	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	358	-40	85
STM32F330RC	Mainstream Value line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	24	-	-	256	-	24	-	16	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	51	-	-	2	3	-	3	2	-	HDMI CEC	-	-	-	-	-	2	3.6	2.2	396	-40	105,85
STM32F330RD	Mainstream Value line, Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	24	-	-	384	-	32	-	16	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	51	-	-	2	3	-	3	2	-	HDMI CEC	-	-	-	-	-	2	3.6	2.2	396	-40	105,85
STM32F330RE	Mainstream Value line, Arm Cortex-M3 MCU with 512 Kbytes, 24 MHz CPU, motor control and CEC functions	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	24	-	-	512	-	32	-	16	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	51	-	-	2	3	-	3	2	-	HDMI CEC	-	-	-	-	-	2	3.6	2.2	396	-40	85
STM32F330V8	Mainstream Value line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	24	-	-	64	-	8	-	12	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	80	-	-	2	2	-	3	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	358	-40	105,85
STM32F330VB	Mainstream Value line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	24	-	-	128	-	8	-	12	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	80	-	-	2	2	-	3	-	-	HDMI CEC	-	-	-	-	-	2	3.6	1.7	358	-40	105,85
STM32F330VC	Mainstream Value line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	24	-	-	256	-	24	-	16	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	80	-	-	2	3	-	3	2	-	HDMI CEC	-	-	-	-	-	2	3.6	2.2	396	-40	85
STM32F330VD	Mainstream Value line, Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	24	-	-	384	-	32	-	16	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	80	-	-	2	3	-	3	2	-	HDMI CEC	-	-	-	-	-	2	3.6	2.2	396	-40	105,85
STM32F330VE	Mainstream Value line, Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	24	-	-	512	-	32	-	16	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	80	-	-	2	3	-	3	2	-	HDMI CEC	-	-	-	-	-	2	3.6	2.2	396	-40	105,85
STM32F330ZC	Mainstream Value line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	24	-	-	256	-	24	-	16	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	112	-	-	2	3	-	3	3	-	HDMI CEC	-	-	-	-	-	2	3.6	2.2	396	-40	85
STM32F330ZD	Mainstream Value line, Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	24	-	-	384	-	32	-	16	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	112	-	-	2	3	-	3	3	-	HDMI CEC	-	-	-	-	-	2	3.6	2.2	396	-40	85
STM32F330ZE	Mainstream Value line, Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 24 MHz CPU, motor control and CEC functions	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	24	-	-	512	-	32	-	16	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	-	112	-	-	2	3	-	3	3	-	HDMI CEC	-	-	-	-	-	2	3.6	2.2	396	-40	105,85
STM32F301C4	Mainstream Access line, ARM Cortex-M3 MCU with 16 Kbytes Flash, 36 MHz CPU	LQFP 48 7x7x1.4 mm	Arm Cortex-M3	36	-	-	16	-	4	-	2	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	-	37	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	2	3.6	1.7	363	-40	85
STM32F301C6	Mainstream Access line, Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 36 MHz CPU	LQFP 48 7x7x1.4 mm	Arm Cortex-M3	36	-	-	32	false	6	-	2	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	-	37	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	2	3.6	1.7	363	-40	85
STM32F301C8	Mainstream Access line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 36 MHz CPU	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	36	-	-	64	-	10	-	3	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	-	37	-	-	2	2	-	3	-	-	-	-	-	-	-	-	-	2	3.6	1.7	391	-40	85
STM32F301CB	Mainstream Access line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 36 MHz CPU	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	36	-	-	128	-	16	-	3	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	-	37	-	-	2	2	-	3	-	-	-	-	-	-	-	-	-	2	3.6	1.7	391	-40	85
STM32F301R4	Mainstream Access line, Arm Cortex-M3 MCU with 16 Kbytes of Flash memory, 36 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	36	-	-	16	-	4	-	2	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	-	51	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	2	3.6	1.7	363	-40	85

STM32F101R6	Mainstream Access line, Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 36 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	36	-	-	32	-	6	-	2	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	51	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	2	3.6	1.7	363	-40	85
STM32F101R8	Mainstream Access line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 36 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	36	-	-	64	-	10	-	3	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	51	-	-	2	2	-	3	-	-	-	-	-	-	-	-	-	2	3.6	1.7	391	-40	85
STM32F101RB	Mainstream Access line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 36 MHz CPU	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	36	-	-	128	-	16	-	3	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	51	-	-	2	2	-	3	-	-	-	-	-	-	-	-	-	2	3.6	1.7	391	-40	85
STM32F101RC	Mainstream Access line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 36 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	36	-	-	256	-	32	-	6	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	1,2	-	51	-	-	2	3	-	5	-	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101RD	Mainstream Access line, Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 36 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	36	-	-	384	-	48	-	6	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	1	-	51	-	-	2	3	-	5	-	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101RE	Mainstream Access line, Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 36 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	36	-	-	512	-	48	-	6	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	1	-	51	-	-	2	3	-	5	-	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101RF	Mainstream Access line, Arm Cortex-M3 MCU with 768 Kbytes of Flash memory, 36 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	36	-	-	768	-	80	-	12	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	51	-	-	2	3	-	3	2	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101RG	Mainstream Access line, Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 36 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	36	-	-	1024	-	80	-	12	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	51	-	-	2	3	-	3	2	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101T4	Mainstream Access line, Arm Cortex-M3 MCU with 16 Kbytes of Flash memory, 36 MHz CPU	VFQFPN 36 6x6x1.0 mm	Arm Cortex-M3	36	-	-	16	-	4	-	2	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	26	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	2	3.6	1.7	363	-40	85
STM32F101T6	Mainstream Access line, Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 36 MHz CPU	VFQFPN 36 6x6x1.0 mm	Arm Cortex-M3	36	-	-	32	-	6	-	2	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	26	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	2	3.6	1.7	363	-40	85
STM32F101T8	Mainstream Access line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 36 MHz CPU	VFQFPN 36 6x6x1.0 mm	Arm Cortex-M3	36	-	-	64	-	10	-	3	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	26	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	2	3.6	1.7	391	-40	85
STM32F101TB	Mainstream Access line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 36 MHz CPU	VFQFPN 36 6x6x1.0 mm	Arm Cortex-M3	36	-	-	128	-	16	-	3	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	26	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	2	3.6	1.7	391	-40	85
STM32F101V8	Mainstream Access line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 36 MHZ CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	36	-	-	64	-	10	-	3	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	80	-	-	2	2	-	3	-	-	-	-	-	-	-	-	-	2	3.6	1.7	391	-40	85
STM32F101VB	Mainstream Access line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 36 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	36	-	-	128	-	16	-	3	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	80	-	-	2	2	-	3	-	-	-	-	-	-	-	-	-	2	3.6	1.7	391	-40	85
STM32F101VC	Mainstream Access line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 36 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	36	-	-	256	-	32	-	6	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	1	-	80	-	-	2	3	-	5	-	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101VD	Mainstream Access line, Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 36 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	36	-	-	384	-	48	-	6	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	1	-	80	-	-	2	3	-	5	-	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101VE	Mainstream Access line, Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 36 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	36	-	-	512	-	48	-	6	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	1	-	80	-	-	2	3	-	5	-	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101VF	Mainstream Access line, Arm Cortex-M3 MCU with 768 Kbytes of Flash memory, 36 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	36	-	-	768	-	80	-	12	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	80	-	-	2	3	-	3	2	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101VG	Mainstream Access line, Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 36 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	36	-	-	1024	-	80	-	12	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	80	-	-	2	3	-	3	2	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101ZC	Mainstream Access line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 36 MHz CPU	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	36	-	-	256	-	32	-	6	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	1	-	112	-	-	2	3	-	5	-	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101ZD	Mainstream Access line, Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 36 MHz CPU	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	36	-	-	384	-	48	-	6	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	1	-	112	-	-	2	3	-	5	-	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101ZE	Mainstream Access line, Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 36 MHz CPU	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	36	-	-	512	-	48	-	6	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	1	-	112	-	-	2	3	-	5	-	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101ZF	Mainstream Access line, Arm Cortex-M3 MCU with 768 Kbytes of Flash memory, 36 MHz CPU	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	36	-	-	768	-	80	-	12	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	112	-	-	2	3	-	3	2	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F101ZG	Mainstream Access line, Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 36 MHz CPU	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	36	-	-	1024	-	80	-	12	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	112	-	-	2	3	-	3	2	-	-	-	-	-	-	-	-	2	3.6	1.9	433	-40	85
STM32F102C4	Mainstream USB Access line, Arm Cortex-M3 MCU with 16 Kbytes of Flash memory, 48 MHz CPU, USB FS	LQFP 48 7x7x1.4 mm	Arm Cortex-M3	48	-	-	16	-	4	-	2	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	37	-	-	1	1	-	2	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.55	348	-40	85
STM32F102C6	Mainstream USB Access line, Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB FS	LQFP 48 7x7x1.4 mm	Arm Cortex-M3	48	-	-	32	-	6	-	2	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	37	-	-	1	1	-	2	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.55	348	-40	85
STM32F102C8	Mainstream USB Access line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 48 MHz CPU, USB FS	LQFP 48 7x7x1.4 mm	Arm Cortex-M3	48	-	-	64	-	10	-	3	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	37	-	-	2	2	-	3	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.7	373	-40	85
STM32F102CB	Mainstream USB Access line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 48 MHz CPU, USB FS	LQFP 48 7x7x1.4 mm	Arm Cortex-M3	48	-	-	128	-	16	-	3	-	Dual Watchdog,RTC, SysTick	1	10	-	-	-	-	-	37	-	-	2	2	-	3	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.7	373	-40	85
STM32F102R4	Mainstream USB Access line, Arm Cortex-M3 MCU with 16 Kbytes of Flash memory, 48 MHz CPU, USB, FS	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	48	-	-	16	-	4	-	2	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	51	-	-	1	1	-	2	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.55	348	-40	85
STM32F102R6	Mainstream USB Access line, Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 48 MHz CPU, USB, FS	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	48	-	-	32	-	6	-	2	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	51	-	-	1	1	-	2	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.55	348	-40	85
STM32F102R8	Mainstream USB Access line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 48 MHz CPU, USB, FS	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	48	-	-	64	-	10	-	3	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	51	-	-	2	2	-	3	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.7	373	-40	85
STM32F102RB	Mainstream USB Access line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 48 MHz CPU, USB, FS	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	48	-	-	128	-	16	-	3	-	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	51	-	-	2	2	-	3	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.7	373	-40	85
STM32F103C4	Mainstream Performance line, Arm Cortex-M3 MCU with 16 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 48 7x7x1.4 mm	Arm Cortex-M3	72	-	-	16	-	6	-	3	-	Dual Watchdog,RTC, SysTick	2	10	-	-	-	-	-	37	-	1	1	1	-	2	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.55	337	-40	85
STM32F103C6	Mainstream Performance line, Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	72	-	-	32	-	10	-	3	-	Dual Watchdog,RTC, SysTick	2	10	-	-	-	-	-	37	-	1	1	1	-	2	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.55	337	-40	85
STM32F103C8	Mainstream Performance line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 48 7x7x1.4 mm	Arm Cortex-M3	72	-	-	64	-	20	-	4	-	Dual Watchdog,RTC, SysTick	2	10	-	-	-	-	-	37	-	1	2	2	-	3	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.7	373	-40	105,85
STM32F103CB	Mainstream Performance line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	72	-	-	128	-	20	-	4	-	Dual Watchdog,RTC, SysTick	2	10	-	-	-	-	-	37	-	1	2	2	-	3	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.7	373	-40	105,85
STM32F103R4	Mainstream Performance line, Arm Cortex-M3 MCU with 16 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	72	-	-	16	-	6	-	3	-	Dual Watchdog,RTC, SysTick	2	15,16	-	-	-	-	-	50,51	-	1	1	1	-	2	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.55	337	-40	85
STM32F103R6	Mainstream Performance line, Arm Cortex-M3 MCU with 32 Kbytes Flash, 72 MHz CPU, motor control, USB and CAN	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	72	-	-	32	-	10	-	3	-	Dual Watchdog,RTC, SysTick	2	15,16	-	-	-	-	-	50,51	-	1	1	1	-	2	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.55	337	-40	85
STM32F103R8	Mainstream Performance line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	72	-	-	64	-	20	-	4	-	Dual Watchdog,RTC, SysTick	2	15,16	-	-	-	-	-	50,51	-	1	2	2	-	3	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.7	373	-40	105,85
STM32F103RB	Mainstream Performance line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	72	-	-	128	-	20	-	4	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	-	-	51	-	1	2	2	-	3	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.7	373	-40	105,85
STM32F103RC	Mainstream Performance line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 64 10x10x1.4 mm,WLCSP 64 4.5x4.4x0.6 P 0.5 mm	Arm Cortex-M3	72	-	-	256	-	48	-	8	-	Dual Watchdog,RTC, SysTick	3	16	-	-	-	2	-	51	-	1	2	3	2	5	-	-	SD/MMC	-	USB Device	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F103RD	Mainstream Performance line, Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 64 10x10x1.4 mm,WLCSP 64 4.5x4.4x0.6 P 0.5 mm	Arm Cortex-M3	72	-	-	384	-	64	-	8	-	Dual Watchdog,RTC, SysTick	3	16	-	-	-	2	-	51	-	1	2	3	2	5	-	-	SD/MMC	-	USB Device	-	-	-	-	2	3.6	1.9	421	-40	85
STM32F103RE	Mainstream Performance line, Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 64 10x10x1.4 mm,WLCSP 64 4.5x4.4x0.6 P 0.5 mm	Arm Cortex-M3	72	-	-	512	-	64	-	8	-	Dual Watchdog,RTC, SysTick	3	16	-	-	-	2	-	51	-	1	2	3	2	5	-	-	SD/MMC	-	USB Device	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F103RF	Mainstream Performance line, Arm Cortex-M3 MCU with 768 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	72	-	-	768	-	96	-	14	-	Dual Watchdog,RTC, SysTick	3	16	-	-	-	2	-	51	-	1	2	3	2	3	2	-	SD/MMC	-	USB Device	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F103RG	Mainstream Performance line, Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	72	-	-	1024	-	96	-	14	-	Dual Watchdog,RTC, SysTick	3	16	-	-	-	2	-	51	-	1	2	3	2	3	2	-	SD/MMC	-	USB Device	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F103T4	Mainstream Performance line, Arm Cortex-M3 MCU with 16 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	VFQFPN 36 6x6x1.0 mm	Arm Cortex-M3	72	-	-	16	-	6	-	3	-	Dual Watchdog,RTC, SysTick	2	10	-	-	-	-	-	26	-	1	1	1	-	2	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.55	337	-40	85
STM32F103T6	Mainstream Performance line, Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	VFQFPN 36 6x6x1.0 mm	Arm Cortex-M3	72	-	-	32	-	10	-	3	-	Dual Watchdog,RTC, SysTick	2	10	-	-	-	-	-	26	-	1	1	1	-	2	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.55	337	-40	105,85
STM32F103T8	Mainstream Performance line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	VFQFPN 36 6x6x1.0 mm	Arm Cortex-M3	72	-	-	64	-	20	-	4	-	Dual Watchdog,RTC, SysTick	2	10	-	-	-	-	-	26	-	1	1	1	-	2	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.7	373	-40	105,85
STM32F103TB	Mainstream Performance line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	VFQFPN 36 6x6x1.0 mm	Arm Cortex-M3	72	-	-	128	-	20	-	4	-	Dual Watchdog,RTC, SysTick	2	10	-	-	-	-	-	26	-	1	1	1	-	2	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.7	373	-40	105,85
STM32F103V8	Mainstream Performance line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LFBGA 100 10x10x1.7 P 0.8 mm,LQFP 100 14x14x1.4 mm	Arm Cortex-M3	72	-	-	64	-	20	-	4	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	-	-	80	-	1	2	2	-	3	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.7	373	-40	85
STM32F103VB	Mainstream Performance line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LFBGA 100 10x10x1.7 P 0.8 mm,LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M3	72	-	-	128	-	20	-	4	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	-	-	80	-	1	2	2	-	3	-	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.7	373	-40	105,85
STM32F103VC	Mainstream Performance line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LFBGA 100 10x10x1.7 P 0.8 mm,LQFP 100 14x14x1.4 mm	Arm Cortex-M3	72	-	-	256	-	48	-	8	-	Dual Watchdog,RTC, SysTick	3	16	-	-	-	2	-	80,82	-	1	2	3	2	3,5	2	-	SD/MMC	FSMC	USB Device	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F103VD	Mainstream Performance line, Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LFBGA 100 10x10x1.7 P 0.8 mm,LQFP 100 14x14x1.4 mm	Arm Cortex-M3	72	-	-	384	-	64	-	8	-	Dual Watchdog,RTC, SysTick	3	16	-	-	-	2	-	80	-	1	2	3	2	5	-	-	SD/MMC	FSMC	USB Device	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F103VE	Mainstream Performance line, Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LFBGA 100 10x10x1.7 P 0.8 mm,LQFP 100 14x14x1.4 mm	Arm Cortex-M3	72	-	-	512	-	64	-	8	-	Dual Watchdog,RTC, SysTick	3	16	-	-	-	2	-	80	-	1	2	3	2	5	-	-	SD/MMC	FSMC	USB Device	-	-	-	-	2	3.6	1.9	421	-40	105,85

STM32F303VF	Mainstream Performance line, Arm Cortex-M3 MCU with 768 Kbytes of Flash memory, 72MHz CPU, motor control, USB and CAN	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	72	-	-	768	-	96	-	14	-	Dual Watchdog,RTC, SysTick	3	16	-	-	-	2	-	80	-	1	2	3	2	3	2	-	SD/MMC	-	USB Device	-	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F303VG	Mainstream Performance line, Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 72 MHz CPU, motor control, USB and CAN	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	72	-	-	1024	-	96	-	14	-	Dual Watchdog,RTC, SysTick	3	16	-	-	-	2	-	80	-	1	2	3	2	3	2	-	SD/MMC	-	USB Device	-	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F303ZC	Mainstream Performance line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LFBGA 144 10x10x1.7 P 0.8 mm,LQFP 144 20x20x1.4 mm	Arm Cortex-M3	72	-	-	256	-	48	-	8	-	Dual Watchdog,RTC, SysTick	3	21	-	-	-	2	-	112	-	1	2	3	2	5	-	-	SD/MMC	-	USB Device	-	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F303ZD	Mainstream Performance line, Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LFBGA 144 10x10x1.7 P 0.8 mm,LQFP 144 20x20x1.4 mm	Arm Cortex-M3	72	-	-	384	-	64	-	8	-	Dual Watchdog,RTC, SysTick	3	21	-	-	-	2	-	112	-	1	2	3	2	5	-	-	SD/MMC	-	USB Device	-	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F303ZE	Mainstream Performance line, Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LFBGA 144 10x10x1.7 P 0.8 mm,LQFP 144 20x20x1.4 mm	Arm Cortex-M3	72	-	-	512	-	64	-	8	-	Dual Watchdog,RTC, SysTick	3	21	-	-	-	2	-	112	-	1	2	3	2	5	-	-	SD/MMC	-	USB Device	-	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F303ZF	Mainstream Performance line, Arm Cortex-M3 MCU with 768 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN	LFBGA 144 10x10x1.7 P 0.8 mm,LQFP 144 20x20x1.4 mm	Arm Cortex-M3	72	-	-	768	-	96	-	14	-	Dual Watchdog,RTC, SysTick	3	21	-	-	-	2	-	112	-	1	2	3	2	3	2	-	SD/MMC	-	USB Device	-	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F303ZG	Mainstream Performance line, Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 72 MHz CPU, motor control, USB and CAN	LFBGA 144 10x10x1.7 P 0.8 mm,LQFP 144 20x20x1.4 mm	Arm Cortex-M3	72	-	-	1024	-	96	-	14	-	Dual Watchdog,RTC, SysTick	3	21	-	-	-	2	-	112	-	1	2	3	2	3	2	-	SD/MMC	-	USB Device	-	-	-	-	-	2	3.6	1.9	421	-40	105,85
STM32F305RB	Mainstream Connectivity line, Arm Cortex-M3 with 64 Kbytes of Flash memory, 72 MHz CPU, CAN, USB 2.0 OTG	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	72	-	-	64	-	64	-	7	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	51	-	2	2	3	2	3	2	-	-	-	USB OTG FS	-	-	-	-	-	2	3.6	1.9	393	-40	105,85
STM32F305RC	Mainstream Connectivity line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 72 MHz CPU, CAN, USB 2.0 OTG	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	72	-	-	128	-	64	-	7	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	51	-	2	2	3	2	3	2	-	-	-	USB OTG FS	-	-	-	-	-	2	3.6	1.9	393	-40	105,85
STM32F305RD	Mainstream Connectivity line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 72 MHz CPU, CAN, USB 2.0 OTG	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	72	-	-	256	-	64	-	7	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	51	-	2	2	3	2	3	2	-	-	-	USB OTG FS	-	-	-	-	-	2	3.6	1.9	393	-40	105,85
STM32F305VB	Mainstream Connectivity line, Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 72 MHz CPU, CAN, USB 2.0 OTG	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	72	-	-	64	-	64	-	7	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	80	-	2	2	3	2	3	2	-	-	-	USB OTG FS	-	-	-	-	-	2	3.6	1.9	393	-40	105,85
STM32F305VC	Mainstream Connectivity line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 72 MHz CPU, CAN, USB 2.0 OTG	LFBGA 100 10x10x1.7 P 0.8 mm,LQFP 100 14x14x1.4 mm	Arm Cortex-M3	72	-	-	128	-	64	-	7	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	80	-	2	2	3	2	3	2	-	-	-	USB OTG FS	-	-	-	-	-	2	3.6	1.9	393	-40	105,85
STM32F305VC	Mainstream Connectivity line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 72 MHz CPU, CAN, USB 2.0 OTG	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	72	-	-	256	-	64	-	7	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	80	-	2	2	3	2	3	2	-	-	-	USB OTG FS	-	-	-	-	-	2	3.6	1.9	393	-40	105,85
STM32F107RB	Mainstream Connectivity line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 72 MHz CPU, Ethernet MAC, CAN and USB 2.0 OTG	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	72	-	-	128	-	64	-	7	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	51	-	2	3	3	2	3	2	-	Ethernet	-	USB OTG FS	-	-	-	-	100Mbps (IEEE 1588)	1	2	3.6	1.9	393	-40	105,85
STM32F107RC	Mainstream Connectivity line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 72 MHz CPU, Ethernet MAC, CAN and USB 2.0 OTG	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	72	-	-	256	-	64	-	7	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	51	-	2	3	3	2	3	2	-	Ethernet	-	USB OTG FS	-	-	-	-	100Mbps (IEEE 1588)	1	2	3.6	1.9	393	-40	105,85
STM32F107VB	Mainstream Connectivity line, Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 72 MHz CPU, Ethernet MAC, CAN and USB 2.0 OTG	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	72	-	-	128	-	64	-	7	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	80	-	2	3	3	2	3	2	-	Ethernet	-	USB OTG FS	-	-	-	-	100Mbps (IEEE 1588)	1	2	3.6	1.9	393	-40	105,85
STM32F107VC	Mainstream Connectivity line, Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 72 MHz CPU, Ethernet MAC, CAN and USB 2.0 OTG	LFBGA 100 10x10x1.7 P 0.8 mm,LQFP 100 14x14x1.4 mm	Arm Cortex-M3	72	-	-	256	-	64	-	7	-	Dual Watchdog,RTC, SysTick	2	16	-	-	-	2	-	80	-	2	3	3	2	3	2	-	Ethernet	-	USB OTG FS	-	-	-	-	100Mbps (IEEE 1588)	1	2	3.6	1.9	393	-40	105,85
STM32F301C6	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	32	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	11	-	-	-	1	3	37	-	-	3	2	2	3	-	1	-	-	-	-	-	-	-	-	-	2	3.6	1.4	353	-40	105,85
STM32F301C8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	LQFP 48 7x7x1.4 mm,WLCSP 49 3.5x3.2x0.6 P 0.4 mm	Arm Cortex-M4	72	-	-	64	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	11	-	-	-	1	3	37	-	-	3	2	2	3	-	1	-	-	-	-	-	-	-	-	-	2	3.6	1.4	353	-40	105,85
STM32F301K6	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	72	-	-	32	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	8,9	-	-	-	1	2	24,25	-	-	3	2	2	2	-	1	-	-	-	-	-	-	-	-	-	2	3.6	1.4	349	-40	105,85
STM32F301K8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	72	-	-	64	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	8,9	-	-	-	1	2	24,25	-	-	3	2	2	2	-	1	-	-	-	-	-	-	-	-	-	2	3.6	1.4	353	-40	105,85
STM32F301R6	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz, 12-bit ADC 5 MSPS, Comparator, Op-Amp	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	32	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	15	-	-	-	1	3	51	-	-	3	2	2	3	-	1	-	-	-	-	-	-	-	-	-	2	3.6	1.4	353	-40	85
STM32F301R8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	64	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	15	-	-	-	1	3	51	-	-	3	2	2	3	-	1	-	-	-	-	-	-	-	-	-	2	3.6	1.4	353	-40	85
STM32F302C6	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	32	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	11	-	-	-	1	3	37	-	1	3	2	2	3	-	1	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.4	353	-40	85
STM32F302C8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	LQFP 48 7x7x1.4 mm,WLCSP 49 3.5x3.2x0.6 P 0.4 mm	Arm Cortex-M4	72	-	-	64	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	11	-	-	-	1	3	37	-	1	3	2	2	3	-	1	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.4	353	-40	105,85
STM32F302CB	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 128 Kbytes of Flash memory, 72 MHz CPU, MPU, COM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	128	-	32	-	7	1	Dual Watchdog,RTC, SysTick	2	9	-	-	-	1	4	37	-	1	2	3	2	3	-	2	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F302CC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 72 MHz CPU, MPU, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	256	-	40	-	7	1	Dual Watchdog,RTC, SysTick	2	9	-	-	-	1	4	37	-	1	2	3	2	3	-	2	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F302R6	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	72	-	-	32	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	8	-	-	-	1	2	24	-	1	3	2	2	2	-	1	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.4	353	-40	85
STM32F302R8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	72	-	-	64	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	8	-	-	-	1	2	24	-	1	3	2	2	2	-	1	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.4	349	-40	105,85
STM32F302RB	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	32	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	15	-	-	-	1	3	51	-	1	3	2	2	3	-	1	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.4	353	-40	85
STM32F302RC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	64	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	15	-	-	-	1	3	51	-	1	3	2	2	3	-	1	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.4	353	-40	85
STM32F302RD	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 128 Kbytes of Flash memory, 72 MHz CPU, MPU, COM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	128	-	32	-	7	1	Dual Watchdog,RTC, SysTick	2	16	-	-	-	1	4	52	-	1	2	3	2	3	2	2	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F302RE	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 72 MHz CPU, MPU, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	256	-	40	-	7	1	Dual Watchdog,RTC, SysTick	2	16	-	-	-	1	4	52	-	1	2	3	2	3	2	2	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F302VB	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 384 Kbytes of Flash memory, 72 MHz CPU, MPU, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	384	-	64	-	7	1	Dual Watchdog,RTC, SysTick	2	16	-	-	-	1	4	51	-	1	3	3	2	3	2	2	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F302VC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 72 MHz CPU, MPU, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	512	-	64	-	7	1	Dual Watchdog,RTC, SysTick	2	16	-	-	-	1	4	51	-	1	3	3	2	3	2	2	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F302VB	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU,128 Kbytes of Flash memory, 72 MHz CPU, MPU, COM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	72	-	-	128	-	32	-	7	1	Dual Watchdog,RTC, SysTick	2	17	-	-	-	1	4	87	-	1	2	3	2	3	2	2	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	85
STM32F302VC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 72 MHz CPU, MPU, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 100 14x14x1.4 mm,WLCSP 100 4.2x4.7x0.6 P 0.4 mm	Arm Cortex-M4	72	-	-	256	-	40	-	7	1	Dual Watchdog,RTC, SysTick	2	16,17	-	-	-	1	4	78,87	-	1	2	3	2	3	2	2	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F302VD	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 384 Kbytes of Flash memory, 72 MHz CPU, MPU, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	72	-	-	384	-	64	-	7	1	Dual Watchdog,RTC, SysTick	2	17	-	-	-	1	4	86	-	1	3	4	2	3	2	2	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	85
STM32F302VE	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 72 MHz CPU, MPU, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	72	-	-	512	-	64	-	7	1	Dual Watchdog,RTC, SysTick	2	17	-	-	-	1	4	86	-	1	3	4	2	3	2	2	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	85
STM32F302ZB	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 384 Kbytes of Flash memory, 72 MHz CPU, MPU, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	72	-	-	384	-	64	-	7	1	Dual Watchdog,RTC, SysTick	2	18	-	-	-	1	4	115	-	1	3	4	2	3	2	2	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	85
STM32F302ZE	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 72 MHz CPU, MPU, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	72	-	-	512	-	64	-	7	1	Dual Watchdog,RTC, SysTick	2	18	-	-	-	1	4	115	-	1	3	4	2	3	2	2	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F303C6	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 32 Kbytes of Flash memory, 72 MHz CPU, COM, 12-bit ADC 5 MSPS, comparators, op-amp	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	32	-	16	-	7	1	Dual Watchdog,RTC, SysTick	2	15	-	-	-	3	3	37	-	1	1	1	-	3	-	1	-	-	-	-	-	-	-	-	-	2	3.6	1.4	353	-40	85
STM32F303C8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, COM, 12-bit ADC 5 MSPS, comparators, op-amp	LQFP 48 7x7x1.4 mm,WLCSP 49 3.9x3.8x0.6 P 0.5 mm	Arm Cortex-M4	72	-	-	64	-	16	-	7	1	Dual Watchdog,RTC, SysTick	2	15,18	-	-	-	3	3	37,38	-	1	1	1	-	3	-	1	-	-	-	-	-	-	-	-	-	2	3.6	1.4	353	-40	85
STM32F303CB	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 128 Kbytes of Flash memory, 72 MHz CPU, MPU, COM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	128	-	40	-	9	1	Dual Watchdog,RTC, SysTick	4	15	-	-	-	2	7	37	-	1	2	3	2	3	-	4	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F303CC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 72 MHz CPU, MPU, COM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	256	-	48	-	9	1	Dual Watchdog,RTC, SysTick	4	15	-	-	-	2	7	37	-	1	2	3	2	3	-	4	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F303K6	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 32 Kbytes of Flash memory, 72 MHz CPU, COM, 12-bit ADC 5 MSPS, comparators, op-amp	LQFP 32 7x7x1.4 mm	Arm Cortex-M4	72	-	-	32	-	16	-	7	1	Dual Watchdog,RTC, SysTick	2	10	-	-	-	3	2	25	-	1	1	1	-	2	-	1	-	-	-	-	-	-	-	-	-	2	3.6	1.4	353	-40	85
STM32F303K8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, COM, 12-bit ADC 5 MSPS, comparators, op-amp	LQFP 32 7x7x1.4 mm	Arm Cortex-M4	72	-	-	64	-	16	-	7	1	Dual Watchdog,RTC, SysTick	2	9	-	-	-	3	2	25	-	1	1	1	-	2	-	1	-	-	-	-	-	-	-	-	-	2	3.6	1.4	353	-40	85
STM32F303R6	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 32 Kbytes of Flash memory, 72 MHz CPU, COM, 12-bit ADC 5 MSPS, comparators, op-amp	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	32	-	16	-	7	1	Dual Watchdog,RTC, SysTick	2	21	-	-	-	3	3	51	-	1	1	1	-	3	-	1	-	-	-	-	-	-	-	-	-	2	3.6	1.4	353	-40	85
STM32F303R8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, COM, 12-bit ADC 5 MSPS, comparators, op-amp	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	64	-	16	-	7	1	Dual Watchdog,RTC, SysTick	2	21	-	-	-	3	3	51	-	1	1	1	-	3	-	1	-	-	-	-	-	-	-	-	-	2	3.6	1.4	353	-40	105,85
STM32F303RB	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 128 Kbytes of Flash memory, 72 MHz CPU, MPU, COM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	128	-	40	-	9	1	Dual Watchdog,RTC, SysTick	4	22	-	-	-	2	7	52	-	1	2	3	2	3	2	4	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F303RC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 72 MHz CPU, MPU, COM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	256	-	48	-	9	1	Dual Watchdog,RTC, SysTick	4	22	-	-	-	2	7	52	-	1	2	3	2	3	2	4	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F303RD	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 384 Kbytes of Flash memory, 72 MHz CPU, MPU, COM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	384	-	80	-	9	1	Dual Watchdog,RTC, SysTick	4	22	-	-	-	2	7	51	-	1	3	3	2	3	2	4	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F303RE	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 72 MHz CPU, MPU, COM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	512	-	80	-	9	1	Dual Watchdog,RTC, SysTick	4	22	-	-	-	2	7	51	-	1	3	3	2	3	2	4	-	-	USB Device	-	-	-	-	-	-	2	3.6	2	450	-40	105,85
STM32F303VB	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 128 Kbytes of Flash memory, 72 MHz CPU, MPU, COM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	72	-	-	128	-	40	-	9	1	Dual Watchdog,RTC, SysTick	4	39	-	-	-	2	7	87	-	1	2	3	2	3	2	4	-	-	USB Device	-	-	-	-	-	-	2	3.6	1.5	392	-40	105,85

STM32F303VC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 72 MHz CPU, MPU, CCM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 100 14x14x1.4 mm,WLCSP 100 4.2x4.7x0.6 P 0.4 mm	Arm Cortex-M4	72	-	-	256	-	48	-	9	1	Dual Watchdog,RTC, SysTick	4	32,39	-	-	-	2	7	78,87	-	1	2	3	2	3	2	4	-	-	USB Device	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F303VD	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 384 Kbytes of Flash memory, 72 MHz CPU, MPU, CCM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	72	-	-	384	-	80	-	10	1	Dual Watchdog,RTC, SysTick	4	39	-	-	-	2	7	86	-	1	3	4	2	3	2	4	-	-	USB Device	-	-	-	-	2	3.6	1.5	392	-40	85
STM32F303VE	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 72 MHz CPU, MPU, CCM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm,WLCSP 100 4.8x5.1x0.6 P 0.4 mm	Arm Cortex-M4	72	-	-	512	-	80	-	10	1	Dual Watchdog,RTC, SysTick	4	33,39	-	-	-	2	7	78,86	-	1	3	4	2	3	2	4	-	FMC	USB Device	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F303ZD	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 384 Kbytes of Flash memory, 72 MHz CPU, MPU, CCM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	72	-	-	384	-	80	-	10	1	Dual Watchdog,RTC, SysTick	4	40	-	-	-	2	7	115	-	1	3	4	2	3	2	4	-	-	USB Device	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F303ZE	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 72 MHz CPU, MPU, CCM, 12-bit ADC 5 MSPS, PGA, comparators	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	72	-	-	512	-	80	-	10	1	Dual Watchdog,RTC, SysTick	4	40	-	-	-	2	7	115	-	1	3	4	2	3	2	4	-	-	USB Device	-	-	-	-	2	3.6	1.5	392	-40	105,85
STM32F318C8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	LQFP 48 7x7x1.4 mm,WLCSP 49 3.5x3.2x0.6 P 0.4 mm	Arm Cortex-M4	72	-	-	64	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	11	-	-	-	1	3	36	-	-	3	2	2	3	-	1	-	-	-	-	-	-	-	1.65	1.95	4.2	350	-40	85
STM32F318K8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	72	-	-	64	-	16	-	5	1	Dual Watchdog,RTC, SysTick	1	8	-	-	-	1	2	23	-	-	3	2	2	2	-	1	-	-	-	-	-	-	-	1.65	1.95	4.2	350	-40	105,85
STM32F328C8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, CCM, 12-bit ADC 5 MSPS, comparators, op-amp	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	64	-	16	-	7	1	Dual Watchdog,RTC, SysTick	2	14	-	-	-	3	3	36	-	1	1	1	-	3	-	1	-	-	-	-	-	-	-	1.65	1.95	6.8	420	-40	85
STM32F334C4	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 16 Kbytes of Flash memory, 72 MHz CPU, CCM, 12-bit ADC 5 MSPS, comparators, op-amp, hr timer	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	16	-	16	-	7	1	Dual Watchdog,RTC, SysTick	2	15	-	-	-	3	3	37	-	1	1	1	-	3	-	1	-	-	-	-	-	-	-	2	3.6	1	420	-40	85
STM32F334C6	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 32 Kbytes of Flash memory, 72 MHz CPU, CCM, 12-bit ADC 5 MSPS, comparators, op-amp, hr timer	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	32	-	16	-	7	1	Dual Watchdog,HR timer,RTC,SysTick	2	15	-	-	-	3	3	37	-	1	1	1	-	3	-	1	-	-	-	-	-	-	-	2	3.6	1	420	-40	105,85
STM32F334C8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, CCM, 12-bit ADC 5 MSPS, comparators, op-amp, hr timer	LQFP 48 7x7x1.4 mm,WLCSP 49 3.9x3.8x0.6 P 0.5 mm	Arm Cortex-M4	72	-	-	64	-	16	-	7	1	Dual Watchdog,HR timer,RTC,SysTick	2	15,18	-	-	-	3	3	37,38	-	1	1	1	-	3	-	1	-	-	-	-	-	-	-	2	3.6	1	420	-40	105,85
STM32F334K4	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 16 Kbytes of Flash memory, 72 MHz CPU, CCM, 12-bit ADC 5 MSPS, comparators, op-amp, hr timer	LQFP 32 7x7x1.4 mm	Arm Cortex-M4	72	-	-	16	-	16	-	7	1	Dual Watchdog,RTC, SysTick	2	10	-	-	-	3	2	25	-	1	1	1	-	2	-	1	-	-	-	-	-	-	-	2	3.6	1	420	-40	85
STM32F334K6	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 32-Kbytes of Flash memory, 72 MHz CPU, CCM, 12-bit ADC 5 MSPS, comparators, op-amp, hr timer	LQFP 32 7x7x1.4 mm	Arm Cortex-M4	72	-	-	32	-	16	-	7	1	Dual Watchdog,HR timer,RTC,SysTick	2	10	-	-	-	3	2	25	-	1	1	1	-	2	-	1	-	-	-	-	-	-	-	2	3.6	1	420	-40	105,85
STM32F334K8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, CCM, 12-bit ADC 5 MSPS, comparators, op-amp, hr timer	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	72	-	-	64	-	16	-	7	1	Dual Watchdog,HR timer,RTC,SysTick	2	10,9	-	-	-	3	2	24,25	-	1	1	1	-	2	-	1	-	-	-	-	-	-	-	2	3.6	1	420	-40	105,85
STM32F334R6	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 32 Kbytes of Flash memory, 72 MHz CPU, CCM, 12-bit ADC 5 MSPS, comparators, op-amp, hr timer	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	32	-	16	-	7	1	Dual Watchdog,HR timer,RTC,SysTick	2	21	-	-	-	3	3	51	-	1	1	1	-	3	-	1	-	-	-	-	-	-	-	2	3.6	1	420	-40	85
STM32F334R8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, CCM, 12-bit ADC 5 MSPS, comparators, op-amp, hr timer	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	64	-	16	-	7	1	Dual Watchdog,HR timer,RTC,SysTick	2	21	-	-	-	3	3	51	-	1	1	1	-	3	-	1	-	-	-	-	-	-	-	2	3.6	1	420	-40	105,85
STM32F358CC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 72 MHz CPU, MPU, CCM, 12-bit ADC 5Msps, PGA, comparators	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	256	-	48	-	9	1	Dual Watchdog,RTC, SysTick	4	14	-	-	-	2	7	36	-	1	2	3	2	3	-	4	-	-	-	-	-	-	-	1.65	1.95	7.4	368	-40	85
STM32F358RC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 72 MHz CPU, MPU, CCM, 12-bit ADC 5Msps, PGA, comparators	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	256	-	48	-	9	1	Dual Watchdog,RTC, SysTick	4	21	-	-	-	2	7	51	-	1	2	3	2	3	2	4	-	-	-	-	-	-	-	1.65	1.95	7.4	368	-40	85
STM32F358VC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 72 MHz CPU, MPU, CCM, 12-bit ADC 5Msps, PGA, comparators	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	72	-	-	256	-	48	-	9	1	Dual Watchdog,RTC, SysTick	4	38	-	-	-	2	7	86	-	1	2	3	2	3	2	4	-	-	-	-	-	-	-	1.65	1.95	7.4	368	-40	85
STM32F373C8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, MPU, 16-bit ADC, comparators	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	64	-	16	-	12	2	Dual Watchdog,RTC, SysTick	1	9	-	3	8	3	2	37	-	1	2	3	3	3	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.6	417	-40	85
STM32F373CB	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 128 KBytes of Flash memory, 72MHz CPU, MPU, 16-bit ADC, comparators	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	128	-	24	-	12	2	Dual Watchdog,RTC, SysTick	1	9	-	3	8	3	2	37	-	1	2	3	3	3	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.6	417	-40	105,85
STM32F373CC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 KBytes of Flash memory, 72 MHz CPU, MPU, 16-bit ADC comparators	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	256	-	32	-	12	2	Dual Watchdog,RTC, SysTick	1	9	-	3	8	3	2	37	-	1	2	3	3	3	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.6	417	-40	105,85
STM32F373R8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, MPU, 16-bit ADC, comparators	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	64	-	16	-	12	2	Dual Watchdog,RTC, SysTick	1	16	-	3	8	3	2	52	-	1	2	3	3	3	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.6	417	-40	85
STM32F373RB	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 128 Kbytes of Flash memory, 72 MHz CPU, MPU, 16-bit ADC, comparators	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	128	-	24	-	12	2	Dual Watchdog,RTC, SysTick	1	16	-	3	8	3	2	52	-	1	2	3	3	3	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.6	417	-40	105,85
STM32F373RC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 KBytes of Flash memory, 72 MHz CPU, MPU, 16-bit ADC comparators	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	72	-	-	256	-	32	-	12	2	Dual Watchdog,RTC, SysTick	1	16	-	3	8	3	2	52	-	1	2	3	3	3	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.6	417	-40	85
STM32F373V8	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 64 Kbytes of Flash memory, 72 MHz CPU, MPU, 16-bit ADC, comparators	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	72	-	-	64	-	16	-	12	2	Dual Watchdog,RTC, SysTick	1	16	-	3	21	3	2	84	-	1	2	3	3	3	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.6	417	-40	85
STM32F373VB	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 128 KBytes of Flash memory, 72 MHz CPU, MPU, 16-bit ADC comparators	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	72	-	-	128	-	24	-	12	2	Dual Watchdog,RTC, SysTick	1	16	-	3	21	3	2	84	-	1	2	3	3	3	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.6	417	-40	105,85
STM32F373VC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 KBytes of Flash memory, 72 MHz CPU, MPU, 16-bit ADC comparators	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	72	-	-	256	-	32	-	12	2	Dual Watchdog,RTC, SysTick	1	16	-	3	21	3	2	84	-	1	2	3	3	3	-	-	-	-	USB Device	-	-	-	-	2	3.6	1.6	417	-40	105,85
STM32F378CC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 72 MHz CPU, MPU, 16-bit ADC, comparators	LQFP 48 7x7x1.4 mm	Arm Cortex-M4	72	-	-	256	-	32	-	12	2	Dual Watchdog,RTC, SysTick	1	9	-	3	7	3	2	36	-	1	2	3	3	3	-	-	-	-	-	-	-	-	-	1.65	1.95	5.9	430	-40	85
STM32F378RC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 72 MHz CPU, MPU, 16-bit ADC, comparators	LQFP 64 10x10x1.4 mm,WLCSP 66 3.8x4.3x0.6 P 0.4 mm	Arm Cortex-M4	72	-	-	256	-	32	-	12	2	Dual Watchdog,RTC, SysTick	1	16	-	3	7	3	2	51	-	1	2	3	3	3	-	-	-	-	-	-	-	-	-	1.65	1.95	5.9	394	-40	85
STM32F378VC	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 256 Kbytes of Flash memory, 72 MHz CPU, MPU, 16-bit ADC, comparators	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	72	-	-	256	-	32	-	12	2	Dual Watchdog,RTC, SysTick	1	16	-	3	20	3	2	83	-	1	2	3	3	3	-	-	-	-	-	-	-	-	-	1.65	1.95	5.9	430	-40	85
STM32F398VE	Mainstream Mixed signals MCUs Arm Cortex-M4 core with DSP and FPU, 512 Kbytes of Flash memory, 72 MHz CPU, MPU, CCM, 12-bit ADC 5Msps, PGA, comparators	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	72	-	-	512	-	80	-	10	1	Dual Watchdog,RTC, SysTick	4	38	-	-	-	2	7	85	-	1	3	4	2	3	2	4	-	-	-	-	-	-	-	1.65	1.95	9.8	392	-40	85
STM32G030C6	Mainstream Value-Line Arm Cortex-M0+ MCU with 32 Kbytes of of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	LQFP 48 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	32	-	8	-	5	-	-	1	16	-	-	-	-	-	43	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	2	3.6	-	-	-40	85
STM32G030C8	Mainstream Value-Line Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	LQFP 48 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	-	-	1	16	-	-	-	-	-	43	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	2	3.6	-	-	-40	85
STM32G030F6	Mainstream Value-Line Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	TSSOP-20	Arm Cortex-M0+	64	-	-	32	-	8	-	5	-	-	1	14	-	-	-	-	-	26	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	2	3.6	-	-	-40	85
STM32G030J6	Mainstream Value Line Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	SO-8	Arm Cortex-M0+	64	-	-	32	-	8	-	5	-	-	1	5	-	-	-	-	-	17	-	-	2	2	1	1	-	-	-	-	-	-	-	-	-	2	3.6	-	-	-40	85
STM32G030K6	Mainstream Value-Line Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	LQFP 32 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	32	-	8	-	5	-	-	1	16	-	-	-	-	-	29	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	2	3.6	-	-	-40	85
STM32G030K8	Mainstream Value-Line Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	LQFP 32 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	-	-	1	16	-	-	-	-	-	29	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	2	3.6	-	-	-40	85
STM32G031C4	Mainstream Arm Cortex-M0+ MCU with 16 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	16	-	8	-	5	1	-	1	16	-	-	-	-	-	43	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	85
STM32G031C6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	32	-	8	-	5	1	-	1	16	-	-	-	-	-	43	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	85
STM32G031C8	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	16	-	-	-	-	-	43	-	-	-	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	105,125,85
STM32G031F4	Mainstream Arm Cortex-M0+ MCU with 16 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	TSSOP-20	Arm Cortex-M0+	64	-	-	16	-	8	-	5	1	-	1	14	-	-	-	-	-	26	-	-	-	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	125,85
STM32G031F6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	TSSOP-20	Arm Cortex-M0+	64	-	-	32	-	8	-	5	1	-	1	14	-	-	-	-	-	26	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	105,85
STM32G031F8	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	TSSOP-20	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	14	-	-	-	-	-	26	-	-	-	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	85
STM32G031G4	Mainstream Arm Cortex-M0+ MCU with 16 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	64	-	-	16	-	8	-	5	1	-	1	15	-	-	-	-	-	25	-	-	-	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	85
STM32G031G6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	64	-	-	32	-	8	-	5	1	-	1	15	-	-	-	-	-	25	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	125,85
STM32G031G8	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	15	-	-	-	-	-	25	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	125,85
STM32G031J4	Mainstream Arm Cortex-M0+ MCU with 16 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	SO-8	Arm Cortex-M0+	64	-	-	16	-	8	-	5	1	-	1	6	-	-	-	-	-	17	-	-	2	2	1	1	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	85
STM32G031J6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	SO-8	Arm Cortex-M0+	64	-	-	32	-	8	-	5	1	-	1	6	-	-	-	-	-	17	-	-	2	2	1	1	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	125,85
STM32G031K4	Mainstream Arm Cortex-M0+ MCU with 16 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	16	-	8	-	5	1	-	1	16	-	-	-	-	-	29	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	125,85
STM32G031K6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	32	-	8	-	5	1	-	1	16	-	-	-	-	-	29	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	105,85
STM32G031K8	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	16	-	-	-	-	-	29	-	-	-	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	105,125,85
STM32G031Y8	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 1.7-3.6V	WLCSP 18 1.9x2.2x0.6 P 0.4 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	14	-	-	-	-	-	26	-	-	2	2	1	2	-	-	-	-	-	-	-	-	-	1.7	3.6	-	-	-40	85
STM32G041C6	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, AES256, 1.7-3.6V	LQFP 48 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	16	-	-	-	-	-	43	-	-	2	2	1	2	-	-	-	-	-	AES	-	-	-	1.7	3.6	-	-	-40	85
STM32G041C8	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, AES256, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	16	-	-	-	-	-	43	-	-	2	2	1	2	-	-	-	-	-	AES	-	-	-	1.7	3.6	-	-	-40	85
STM32G041F6	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, AES256, 1.7-3.6V	TSSOP-20	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	14	-	-	-	-	-	26	-	-	2	2	1	2	-	-	-	-	-	AES	-	-	-	1.7	3.6	-	-	-40	85
STM32G041F8	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, AES256, 1.7-3.6V	TSSOP-20	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	14	-	-	-	-	-	26	-	-	2	2	1	2	-	-	-	-	-	AES	-	-	-	1.7	3.6	-	-	-40	85
STM32G041G6	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, AES256, 1.7-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	15	-	-	-	-	-	25	-	-	2	2	1	2	-	-	-	-	-	AES	-	-	-	1.7	3.6	-	-	-40	85
STM32G041G8	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, AES256, 1.7-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	15	-	-	-	-	-	25	-	-	2	2	1	2	-	-	-	-	-	AES	-	-	-	1.7	3.6	-	-	-40	85
STM32G041J6	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, AES256, 1.7-3.6V	SO-8	Arm Cortex-M0+	64	-	-	32	-	8	-	5	1	-	1	6	-	-	-	-	-	17	-	-	2	2	1	1	-	-	-	-	-	AES	-	-	-	1.7	3.6	-	-	-40	85
STM32G041K6	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, AES256, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	16	-	-	-	-	-	29	-	-	2	2	1	2	-	-	-	-	-	AES	-	-	-	1.7	3.6	-	-	-40	125,85
STM32G041K8	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, AES256, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	16	-	-	-	-	-	29	-	-	2	2	1	2	-	-	-	-	-	AES	-	-	-	1.7	3.6	-	-	-40	85

STM32G041Y8	Mainstream Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 8 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, AES256, 1.7-3.6V	WLCSP 18 1.9x2.2x0.6 P 0.4 mm	Arm Cortex-M0+	64	-	-	64	-	8	-	5	1	-	1	14	-	-	-	-	-	26	-	-	2	2	1	2	-	-	-	-	AES	-	-	-	-	1.7	3.6	-	-	-40	85
STM32G050C6	Mainstream Value line, Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 18 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	LQFP 48 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	32	-	18	-	-	-	-	1	16	-	-	-	-	-	-	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	2	3.6	-	100	-40	85
STM32G050C8	Mainstream Value line, Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 18 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	LQFP 48 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	64	-	18	-	-	-	-	1	16	1	-	-	-	-	-	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	2	3.6	-	100	-40	85
STM32G050F6	Mainstream Value line, Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 18 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	TSSOP-20	Arm Cortex-M0+	64	-	-	32	-	18	-	-	-	-	1	14	-	-	-	-	-	-	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	2	3.6	-	100	-40	85
STM32G050K6	Mainstream Value line, Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 18 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	UQFP 32 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	32	-	18	-	-	-	-	1	16	-	-	-	-	-	-	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	2	3.6	-	100	-40	85
STM32G050K8	Mainstream Value line, Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 18 Kbytes RAM, 64 MHz CPU, 2x USART, timers, ADC, comm. I/F, 2-3.6V	UQFP 32 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	64	-	18	-	-	-	-	1	16	1	-	-	-	-	-	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	2	3.6	-	100	-40	85
STM32G051C6	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 32 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	32	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	16	1	-	-	-	2	2	44	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G051C8	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 64 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	16	1	-	-	-	2	2	44	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	1.7	3.6	-	100	-40	105,125,85
STM32G051F6	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 32 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	TSSOP-20	Arm Cortex-M0+	64	-	-	32	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	14	1	-	-	-	2	2	18	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G051F8	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 64 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	TSSOP-20,WLCSP 20 2x2.4x0.6 P 0.4 mm	Arm Cortex-M0+	64	-	-	64	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	14	1	-	-	-	2	2	18	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	1.7	3.6	-	100	-40	125,85
STM32G051G6	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 32 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	64	-	-	32	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	15	-	-	-	-	2	2	26	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G051G8	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 64 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	15	1	-	-	-	2	2	26	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	1.7	3.6	-	100	-40	125,85
STM32G051K6	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 32 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	32	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	16,18	1	-	-	-	2	2	30	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	1.7	3.6	-	100	-40	105,85
STM32G051K8	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 64 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	18	1	-	-	-	2	2	30	-	-	2	2	1	2	2	-	-	-	-	-	-	-	-	1.7	3.6	-	100	-40	105,85
STM32G061C6	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 32 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	32	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	19	1	-	-	-	2	2	44	-	-	2	2	1	2	2	-	-	-	AES	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G061C8	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 64 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	19	1	-	-	-	2	2	44	-	-	2	2	1	2	2	-	-	-	AES	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G061F6	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 32 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	TSSOP-20	Arm Cortex-M0+	64	-	-	32	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	16	1	-	-	-	2	2	18	-	-	2	2	1	2	2	-	-	-	AES	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G061F8	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 64 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	TSSOP-20,WLCSP 20 2x2.4x0.6 P 0.4 mm	Arm Cortex-M0+	64	-	-	64	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	16	1	-	-	-	2	2	18	-	-	2	2	1	2	2	-	-	-	AES	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G061G6	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 32 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	64	-	-	32	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	17	1	-	-	-	2	2	26	-	-	2	2	1	2	2	-	-	-	AES	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G061G8	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 64 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	17	1	-	-	-	2	2	26	-	-	2	2	1	2	2	-	-	-	AES	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G061K6	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 32 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	32	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	18	1	-	-	-	2	2	30	-	-	2	2	1	2	2	-	-	-	AES	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G061K8	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 64 Kb Flash, 18 Kb RAM, 2x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	18	-	6	1	Dual Watchdog,RTC, SysTick	1	18	1	-	-	-	2	2	30	-	-	2	2	1	2	2	-	-	-	AES	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G070C6	Mainstream Value line, Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 2-3.6V	LQFP 48 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	128	-	36	-	8	-	-	1	14	-	-	-	-	-	-	44	-	-	2	2	1	4	-	-	-	-	-	-	-	-	2	3.6	-	-	-40	85
STM32G070K6	Mainstream Value line, Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 2-3.6V	LQFP 32 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	128	-	36	-	8	-	-	-	11	-	-	-	-	-	-	30	-	-	2	2	1	4	-	-	-	-	-	-	-	-	2	3.6	-	-	-40	85
STM32G070R6	Mainstream Value line, Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 2-3.6V	LQFP 64 10x10x1.4 mm	Arm Cortex-M0+	64	-	-	128	-	36	-	8	-	-	1	16	-	-	-	-	-	-	60	-	-	2	2	1	4	-	-	-	-	-	-	-	-	2	3.6	-	-	-40	85
STM32G071C6	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	36	-	8	1	-	1	14	-	-	-	-	2	2	44	-	-	2	2	1	4	-	-	HDMI CEC	-	-	-	-	-	1.7	3.6	-	-	-40	105,125,85
STM32G071C8	Mainstream Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	128	-	36	-	8	1	-	1	14	1	-	-	-	2	2	44	-	-	2	2	1	4	-	-	HDMI CEC	-	-	-	-	-	1.7	3.6	-	-	-40	105,125,85
STM32G071B1	Mainstream Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 1.7-3.6V	WLCSP 25 2.3x2.5x0.6 P 0.4 mm	Arm Cortex-M0+	64	-	-	128	-	36	-	8	1	-	1	10	-	-	-	-	2	2	23	-	-	2	2	1	4	-	-	HDMI CEC	-	-	-	-	-	1.7	3.6	-	-	-40	85
STM32G071G6	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 1.7-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	36	-	8	1	-	1	10	-	-	-	-	2	2	26	-	-	2	2	1	4	-	-	HDMI CEC	-	-	-	-	-	1.7	3.6	-	-	-40	85
STM32G071G8	Mainstream Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 1.7-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	64	-	-	128	-	36	-	8	1	-	1	10,9	-	-	-	-	2	2	26	-	-	2	2	1	4	-	-	HDMI CEC	-	-	-	-	-	1.7	3.6	-	-	-40	105,125,85
STM32G071K6	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	64	-	36	-	8	1	-	1	11	-	-	-	-	2	2	30	-	-	2	2	1	4	-	-	HDMI CEC	-	-	-	-	-	1.7	3.6	-	-	-40	125,85
STM32G071K8	Mainstream Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	128	-	36	-	8	1	-	1	11	-	-	-	-	2	2	30	-	-	2	2	1	4	-	-	HDMI CEC	-	-	-	-	-	1.7	3.6	-	-	-40	105,125,85
STM32G071B8	Mainstream Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 1.7-3.6V	LQFP 64 10x10x1.4 mm	Arm Cortex-M0+	64	-	-	64	-	36	-	8	1	-	1	16	-	-	-	-	2	2	60	-	-	2	2	1	4	-	-	HDMI CEC	-	-	-	-	-	1.7	3.6	-	-	-40	85
STM32G071RB	Mainstream Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	128	-	36	-	8	1	-	1	14	-	-	-	-	2	2	60	-	-	2	2	1	4	-	-	HDMI CEC	-	-	-	-	-	1.7	3.6	-	-	-40	105,125,85
STM32G071B1N	Mainstream Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 1.7-3.6V	WLCSP 25 2.3x2.5x0.6 P 0.4 mm	Arm Cortex-M0+	64	-	-	128	-	36	-	8	1	-	1	10	-	-	-	-	2	2	23	-	-	2	2	1	4	-	-	HDMI CEC	AES	-	-	-	-	1.7	3.6	-	-	-40	125,85
STM32G071G8N	Mainstream Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 1.7-3.6V	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	64	-	-	128	-	36	-	8	1	-	1	10	-	-	-	-	2	2	26	-	-	2	2	1	4	-	-	HDMI CEC	AES	-	-	-	-	1.7	3.6	-	-	-40	85
STM32G071KB	Mainstream Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	128	-	36	-	8	1	-	1	11	-	-	-	-	2	2	30	-	-	2	2	1	4	-	-	HDMI CEC	AES	-	-	-	-	1.7	3.6	-	-	-40	85
STM32G071B8	Mainstream Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory, 36 Kbytes RAM, 64 MHz CPU, 4x USART, timers, ADC, DAC, comm. I/F, AES256, 1.7-3.6V	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M0+	64	-	-	128	-	36	-	8	1	-	1	16	-	-	-	-	2	2	60	-	-	2	2	1	4	-	-	HDMI CEC	AES	-	-	-	-	1.7	3.6	-	-	-40	125,85
STM32G0B0C8	Mainstream Value line, Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, 2-3.6V	LQFP 48 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	512	-	144	-	8	1	-	1	14	-	-	-	-	2	2	60	-	-	3	2	1	4	-	-	-	-	USB FS	-	-	-	-	2	3.6	-	100	-40	85
STM32G0B0K8	Mainstream Value line, Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, comm. I/Fs, 2-3.6V	LQFP 32 7x7x1.4 mm	Arm Cortex-M0+	64	-	-	512	-	144	-	8	1	-	1	11	-	-	-	-	2	2	60	-	-	3	2	1	4	-	-	-	-	USB FS	-	-	-	-	2	3.6	-	100	-40	85
STM32G0B0R8	Mainstream Value line, Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, comm. I/Fs, 2-3.6V	LQFP 64 10x10x1.4 mm	Arm Cortex-M0+	64	-	-	512	-	144	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	60	-	-	3	2	1	4	-	-	-	-	USB FS	-	-	-	-	2	3.6	-	100	-40	85
STM32G0B0V8	Mainstream Value line, Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, comm. I/Fs, 2-3.6V	LQFP 100 14x14x1.4 mm	Arm Cortex-M0+	64	-	-	512	-	144	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	2	2	60	-	-	3	2	1	4	-	-	-	-	USB FS	-	-	-	-	2	3.6	-	100	-40	85
STM32G0B1C6	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 128KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	128	false	144	-	8	1	Dual Watchdog,RTC, SysTick	1	14	-	-	-	-	2	2	60	-	-	3	2	1	4	-	-	HDMI CEC	-	USB FS,USB Type-C	-	-	-	-	1.7	3.6	-	100	-40	105,125,85
STM32G0B1C8	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 256KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	256	true	144	-	8	1	Dual Watchdog,RTC, SysTick	1	12,14,17	-	-	-	-	2	2	60	-	-	3	2	1	4	-	-	HDMI CEC	-	USB FS,USB Type-C	-	-	-	-	1.7	3.6	-	100	-40	105,125,85
STM32G0B1CB	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	512	true	144	-	8	1	Dual Watchdog,RTC, SysTick	1	12,14,17	-	-	-	-	2	2	58,60	-	-	3	2	1,2	4	-	-	HDMI CEC	-	USB FS,USB Type-C	-	-	-	-	1.7	3.6	-	100	-40	105,85
STM32G0B1RB	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 128KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	128	false	144	-	8	1	Dual Watchdog,RTC, SysTick	1	10,11	-	-	-	-	2	2	60	-	-	3	2	1	4	-	-	HDMI CEC	-	USB FS,USB Type-C	-	-	-	-	1.7	3.6	-	100	-40	125,85
STM32G0B1RC	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 256KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	256	true	144	-	8	1	Dual Watchdog,RTC, SysTick	1	10,11	-	-	-	-	2	2	60	-	-	3	2	1	4	-	-	HDMI CEC	-	USB FS,USB Type-C	-	-	-	-	1.7	3.6	-	100	-40	105,85
STM32G0B1KB	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	512	true	144	-	8	1	Dual Watchdog,RTC, SysTick	1	10,11	-	-	-	-	2	2	60	-	-	3	2	1	4	-	-	HDMI CEC	-	USB FS,USB Type-C	-	-	-	-	1.7	3.6	-	100	-40	105,85
STM32G0B1RE	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 128KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0+	64	-	-	128	false	144	-	8	1	Dual Watchdog,RTC, SysTick	1	19	-	-	-	-	-	-	60	-	-	3	-	1	-	-	-	HDMI CEC	-	USB FS,USB Type-C	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G0B1VE	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 256KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, 1.7-3.6V	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0+	64	-	-	256	true	144	-	8	1	Dual Watchdog,RTC, SysTick	1	16,17,19	-	-	-	-	2	2	60	-	-	3	2	1	4	-	-	HDMI CEC	-	USB FS,USB Type-C	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G0B1VI	Mainstream Arm® Cortex®-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0+	64	-	-	512	-	144	-	8	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	HDMI CEC	-	-	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G0C1CC	Mainstream Arm Cortex®-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	256	true	144	-	-	1	Dual Watchdog,RTC, SysTick	1	12,14	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	HDMI CEC	AES	USB FS,USB Type-C	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G0C1CE	Mainstream Arm® Cortex®-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	64	-	-	512	true	144	-	-	1	Dual Watchdog,RTC, SysTick	1	12,14	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	HDMI CEC	AES	USB FS,USB Type-C	-	-	-	-	1.7	3.6	-	100	-40	85
STM32G0C1KC	Mainstream Arm Cortex®-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	256	-	144	-	-	1	Dual Watchdog,RTC, SysTick	1	10,11	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	HDMI CEC	AES	USB FS,USB Type-C	-	-	-	-	1.7	3.6	-	100	-40	85

STM32G0C1KE	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	64	-	-	512	true	144	-	-	1	Dual Watchdog,RTC, SysTick	1	10,11	-	-	-	-	-	-	-	-	3	-	-	-	-	-	HDMI CEC	-	USB FS,USB Type-C	AES	-	-	-	1.7	3.6	-	100	-40	85
STM32G0C1MG	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 80 12x12x1.4 mm	Arm Cortex-M0+	64	-	-	256	true	144	-	-	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	-	-	-	3	-	-	-	-	-	HDMI CEC	-	USB FS,USB Type-C	AES	-	-	-	1.7	3.6	-	100	-40	85
STM32G0C1MG	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 80 12x12x1.4 mm	Arm Cortex-M0+	64	-	-	512	false	144	-	-	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	-	-	-	3	-	-	-	-	-	HDMI CEC	-	USB FS,USB Type-C	AES	-	-	-	1.7	3.6	-	100	-40	85
STM32G0C1RC	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 64 10x10x1.4 mm	Arm Cortex-M0+	64	-	-	256	-	144	-	-	1	Dual Watchdog,RTC, SysTick	1	14,16	-	-	-	-	-	-	-	-	3	-	-	-	-	-	HDMI CEC	-	USB FS,USB Type-C	AES	-	-	-	1.7	3.6	-	100	-40	125,85
STM32G0C1RE	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 64 10x10x1.4 mm	Arm Cortex-M0+	64	-	-	512	true	144	-	-	1	Dual Watchdog,RTC, SysTick	1	14,16	-	-	-	-	-	-	-	-	3	-	-	-	-	-	HDMI CEC	-	USB FS,USB Type-C	AES	-	-	-	1.7	3.6	-	100	-40	85
STM32G0C1VC	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 100 14x14x1.4 mm	Arm Cortex-M0+	64	-	-	256	true	144	-	-	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	-	-	-	3	-	-	-	-	-	HDMI CEC	-	USB FS,USB Type-C	AES	-	-	-	1.7	3.6	-	100	-40	85
STM32G0C1VE	Mainstream Arm Cortex-M0+ 32-bit MCU, up to 512KB Flash, 144KB RAM, 6x USART, timers, ADC, DAC, comm. I/Fs, AES, RNG, 1.7-3.6V	LQFP 100 14x14x1.4 mm	Arm Cortex-M0+	64	-	-	512	true	144	-	-	1	Dual Watchdog,RTC, SysTick	1	16	-	-	-	-	-	-	-	-	3	-	-	-	-	-	HDMI CEC	-	USB FS,USB Type-C	AES	-	-	-	1.7	3.6	-	100	-40	85
STM32G431CB	Mainstream Arm Cortex-M4 MCU 170 MHz with 32 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	32	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	17,18	-	-	-	4	4	38,42	1	-	3	3	2	3	-	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G431CB	Mainstream Arm Cortex-M4 MCU 170 MHz with 64 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	64	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	17,18	-	-	-	4	4	38,42	1	-	3	3	2	3	-	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G431CB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.2x3.2x0.6 P 0.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	17,18	-	-	-	4	4	38,41,42	1	-	3	3	2	3	-	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G431KB	Mainstream Arm Cortex-M4 MCU 170 MHz with 32 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	32	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	11	-	-	-	4	4	26	1	-	3	3	2	2	-	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G431KB	Mainstream Arm Cortex-M4 MCU 170 MHz with 64 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	64	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	11	-	-	-	4	4	26	1	-	3	3	2	2	-	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G431KB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	11	-	-	-	4	4	26	1	-	3	3	2	2	-	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G431MB	Mainstream Arm Cortex-M4 MCU 170 MHz with 32 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 80 12x12x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	32	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	23	-	-	-	4	4	66	1	-	3	3	2	3	1	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G431MB	Mainstream Arm Cortex-M4 MCU 170 MHz with 64 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 80 12x12x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	64	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	23	-	-	-	4	4	66	1	-	3	3	2	3	1	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G431MB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 80 12x12x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	23	-	-	-	4	4	66	1	-	3	3	2	3	1	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G431RB	Mainstream Arm Cortex-M4+ MCU 170 MHz with 32 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	32	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	23	-	-	-	4	4	52	1	-	3	3	2	3	1	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G431RB	Mainstream Arm Cortex-M4 MCU 170 MHz with 64 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	64	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	23	-	-	-	4	4	52	1	-	3	3	2	3	1	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G431RB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	23	-	-	-	4	4	52	1	-	3	3	2	3	1	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G431VB	Mainstream Arm Cortex-M4 MCU 170 MHz with 32 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	32	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	23	-	-	-	4	4	86	1	-	3	3	2	3	1	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G431VB	Mainstream Arm Cortex-M4 MCU 170 MHz with 64 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	64	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	23	-	-	-	4	4	86	1	-	3	3	2	3	1	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G431VB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	23	-	-	-	4	4	86	1	-	3	3	2	3	1	3	SAI	-	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G441CB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration, Crypto	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.2x3.2x0.6 P 0.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	17,18	-	-	-	4	4	38,41,42	1	-	3	3	2	3	-	3	SAI	-	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G441KB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration, Crypto	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	11	-	-	-	4	4	26	1	-	2	3	2	2	-	3	SAI	-	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G441MB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration, Crypto	LQFP 80 12x12x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	23	-	-	-	4	4	66	1	-	3	3	2	3	1	3	SAI	-	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	85
STM32G441RB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration, Crypto	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	23	-	-	-	4	4	52	1	-	3	3	2	3	1	3	SAI	-	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G441VB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration, Crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	false	32	10	10	1	Dual Watchdog,RTC, SysTick	2	23	-	-	-	4	4	86	1	-	3	3	2	3	1	3	SAI	-	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G473CB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	20,21	-	-	-	7	7	38,42	3	-	4	3	2	3	2	6,7	SAI	-FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G473CC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	true	128	32	10,11	2	Dual Watchdog,RTC, SysTick	5	20,21	-	-	-	7	7	38,42	3	-	4	3	2	3	2	6	SAI	-FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G473CE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	20,21	-	-	-	7	7	38,42	3	-	4	3	2	3	2	6	SAI	-FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G473MB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 80 12x12x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	41	-	-	-	7	7	41	3	-	4	4	2	3	2	6	SAI	-FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G473MC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 80 12x12x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	41	-	-	-	7	7	41	3	-	4	4	2	3	2	6	SAI	-FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G473ME	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 80 12x12x1.4 mm,WLCSP 81 4.3x4x0.6 P 0.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	10,11	2	Dual Watchdog,RTC, SysTick	5	41,42	-	-	-	7	7	41,42	3	-	4	4	2	3	2	6	SAI	-FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G473PB	Mainstream Arm Cortex-M4 core with DSP and FPU, 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, High Analog level integration	UFBGA 121 6x6x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	42	-	-	-	7	7	102	3	3	4	4	2	3	2	6	SAI	-FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G473PC	Mainstream Arm Cortex-M4 core with DSP and FPU, 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, High Analog level integration	UFBGA 121 6x6x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	42	-	-	-	7	7	102	3	-	4	4	2	3	2	6	SAI	-FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85

STM32G473PE	Mainstream Arm Cortex-M4 core with DSP and FPU, 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	UFBGA 121 6x6x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	42	-	-	-	7	7	102	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G473QB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 128 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	42	-	-	-	7	7	107	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G473QC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 128 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	42	-	-	-	7	7	107	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G473QE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 128 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	42	-	-	-	7	7	107	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	-	1.71	3.6	-	-	-40	85
STM32G473RB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	26	-	-	-	7	7	52	3	-	4	3	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G473RC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	26	-	-	-	7	7	52	3	-	4	3	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G473RE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	26	-	-	-	7	7	52	3	-	4	3	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G473VB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	42	-	-	-	7	7	86	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G473VC	Mainstream Arm Cortex-M4 MCU 170MHz with 256Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	42	-	-	-	7	7	86	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G473VE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,RTC, SysTick	5	42	-	-	-	7	7	86	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G474CB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	20,21	-	-	-	7	7	38,42	3	-	4	3	2	3	-	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G474CC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	20,21	-	-	-	7	7	38,42	3	-	4	3	2	3	-	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G474CE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	20,21	-	-	-	7	7	38,42	3	-	4	3	2	3	-	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G474MB	Mainstream Arm Cortex-M4+ MCU 170MHz with 128Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 80 12x12x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	41	-	-	-	7	7	41	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G474MC	Mainstream Arm Cortex-M4+ MCU 170MHz with 256 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 80 12x12x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	41	-	-	-	7	7	41	-	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G474ME	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 80 12x12x1.4 mm,WLCSP 81 4.2x4x0.6 P 0.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	41,42	-	-	-	7	7	41,42	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G474PB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	UFBGA 121 6x6x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	42	-	-	-	7	7	102	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G474PC	Mainstream Arm Cortex-M4+ MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	UFBGA 121 6x6x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	42	-	-	-	7	7	102	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G474PE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	UFBGA 121 6x6x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	42	-	-	-	7	7	102	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G474QB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 128 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	42	-	-	-	7	7	107	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G474QC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 128 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	42	-	-	-	7	7	107	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G474QE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 128 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	42	-	-	-	7	7	107	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G474RB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	26	-	-	-	7	7	52	3	-	4	3	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G474RC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	26	-	-	-	7	7	52	3	-	4	3	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G474RE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	26	-	-	-	7	7	52	3	-	4	3	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G474VB	Mainstream Arm Cortex-M4 MCU 170 MHz with 128 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M4	170	Cordic,FMAC	170	128	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	42	-	-	-	7	7	86	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G474VC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	42	-	-	-	7	7	86	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G474VE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,HR Timer,RTC,Sys1ick	5	42	-	-	-	7	7	86	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G483CE	Mainstream Arm Cortex-M4+ MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	-	170	512	-	128	-	10	2	Dual Watchdog,RTC, SysTick	5	20,21	-	-	-	3	7	38,42	3	-	4	3	2	3	-	6	SAI	-	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G483ME	Mainstream Arm Cortex-M4+ MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 80 12x12x1.4 mm,WLCSP 81 4.3x4x0.6 P 0.4 mm	Arm Cortex-M4	170	-	170	512	-	128	-	10	2	Dual Watchdog,RTC, SysTick	5	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	85
STM32G483PE	Mainstream Arm Cortex-M4+ MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	UFBGA 121 6x6x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	10	2	Dual Watchdog,RTC, SysTick	5	42	-	-	-	3	7	102	3	-	4	4	2	3	2	6	SAI	-	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	85
STM32G483QE	Mainstream Arm Cortex-M4+ MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 128 14x14x1.4 mm	Arm Cortex-M4	170	-	170	512	-	128	-	10	2	Dual Watchdog,RTC, SysTick	5	42	-	-	-	3	7	107	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	85

STM32G483RE	Mainstream Arm Cortex-M4+ MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	170	-	170	512	-	128	-	10	2	Dual Watchdog,RTC, SysTick	5	26	-	-	-	3	7	52	3	-	4	3	2	3	2	6	SAI	-	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G483VE	Mainstream Arm Cortex-M4+ MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	10	2	Dual Watchdog,RTC, SysTick	5	42	-	-	-	3	7	86	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G484CE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration, Crypto	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	10,11	2	Dual Watchdog,HR timer,RTC,SysTick	5	20,21	-	-	-	3	7	38,42	3	-	4	3	2	3	-	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G484ME	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration, Crypto	LQFP 80 12x12x1.4 mm,WLCSP 81 4.3x4x0.6 P 0.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,HR timer,RTC,SysTick	5	41	-	-	-	7	7	41	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G484PE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration, Crypto	UFBGA 121 6x6x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,HR timer,RTC,SysTick	5	42	-	-	-	7	7	102	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	85
STM32G484QE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration, Crypto	LQFP 128 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,HR timer,RTC,SysTick	5	42	-	-	-	7	7	107	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G484RE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration, Crypto	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,HR timer,RTC,SysTick	5	26	-	-	-	7	7	52	3	-	4	3	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G484VE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, HR Timer, High Analog level integration, Crypto	LQFP 100 14x14x1.4 mm,TFBGA 100 8x8x1.2 P 0.8 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	true	128	32	11	2	Dual Watchdog,HR timer,RTC,SysTick	5	42	-	-	-	7	7	86	3	-	4	4	2	3	2	6	SAI	FSMC,Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	85
STM32G491CC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	18,19	-	-	-	4	4	38,42	2	-	3	3	2	3	-	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G491CE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	18,19	-	-	-	4	4	38,42	2	-	3	3	2	3	-	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G491CC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, High Analog level integration	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	11	-	-	-	4	4	26	2	-	3	3	2	2	-	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G491CE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	11	-	-	-	4	4	26	2	-	3	3	2	2	-	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G491MC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 80 12x12x1.4 mm,LQFP 80 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	32	-	-	-	4	4	66	2	-	3	3	2	3	2	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G491ME	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration	LQFP 80 12x12x1.4 mm,LQFP 80 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	32	-	-	-	4	4	66	2	-	3	3	2	3	2	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G491RC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	24	-	-	-	4	4	52	2	-	3	3	2	3	2	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G491RE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm,WLCSP 64 3.5x3.6x0.6 P 0.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	24	-	-	-	4	4	52	2	-	3	3	2	3	2	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	125,85
STM32G491VC	Mainstream Arm Cortex-M4 MCU 170 MHz with 256 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	256	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	36	-	-	-	4	4	86	2	-	3	3	2	3	2	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G491VE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	36	-	-	-	4	4	86	2	-	3	3	2	3	2	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	-	-	-	-	1.71	3.6	-	-	-40	85
STM32G4A1CE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration, Crypto	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	18,19	-	-	-	4	4	38,42	2	-	3,4	3	2	3	-	3,4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	85
STM32G4A1KE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration, Crypto	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	11	-	-	-	4	4	26	2	-	3	3	2	2	-	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	85
STM32G4A1ME	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, Medium Analog level integration, Crypto	LQFP 80 12x12x1.4 mm,LQFP 80 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	32	-	-	-	4	4	66	2	-	3	3	2	3	2	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	85
STM32G4A1RE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration, Crypto	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm,WLCSP 64 3.5x3.6x0.6 P 0.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	24	-	-	-	4	4	52	2	-	3	3	2	3	2	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	85
STM32G4A1VE	Mainstream Arm Cortex-M4 MCU 170 MHz with 512 Kbytes of Flash memory, Math Accelerator, High Analog level integration, Crypto	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	170	Cordic,FMAC	170	512	false	112	16	11	1	Dual Watchdog,RTC, SysTick	3	36	-	-	-	4	4	86	2	-	3	3	2	3	2	4	SAI	Quad SPI	USB Device, USB FS,USB Type-C	AES	-	-	-	1.71	3.6	-	-	-40	85

Microcontrollers & Microprocessors / STM32 32-bit Arm Cortex MCUs/STM32 Ultra Low Power MCUs

Part Number	General Description	Package	Core	Operating Frequency (MHz)	FPU	Flash Size (kB) (Prog)	Dual-bank Flash	Data E2PROM (B) nom	RAM Size (kB)	Timers (16-bit) typ	Timers (32-bit) typ	Other timer functions	A/D Converters 12-bit Number of A/D Converters typ	A/D Converters 12-bit Number of Channels typ	A/D Converters 14-bit Number of A/D Converters typ	A/D Converters 14-bit Number of Channels typ	A/D Converters 16-bit Number of Channels typ	D/A Converters (12-bit) typ	Comparator	I/Os (High Current)	Display controller	Graphic accelerator	CAN (FD)	CAN (2.0)	I2C typ	SPI typ	I2S typ	USART typ	UART typ	Integrated op-amps	Additional Interfaces	External Memory Interfaces	USB Type	Cryptography	Security Functions	SMPS	Supply Voltage (V) min	Supply Voltage (V) max	Supply Current (µA) (@ Lowest Power) typ	Supply Current (µA) (Run Mode (per MHz)) typ	Operating Temperature (°C) min	Operating Temperature (°C) max
STM32L010C6	Ultra-low-power value line Arm Cortex-M0+ MCU with 32-Kbytes of Flash memory, 32 MHz CPU	LQFP 48 7x7x1.4 mm	Arm Cortex-M0+	32	-	32	-	256	8	2	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	-	38	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.25	80	-40	85
STM32L010F4	Ultra-low-power value line Arm Cortex-M0+ MCU with 16-Kbytes of of Flash memory memory and 32 MHz CPU	TSSOP-20	Arm Cortex-M0+	32	-	16	false	128	2	2	-	Dual Watchdog,RTC,SysTick	1	9	-	-	-	-	-	16	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.23	76	-40	85
STM32L010K4	Ultra-low-power value line Arm Cortex-M0+ MCU with 16-Kbytes of of Flash memory memory and 32 MHz CPU	LQFP 32 7x7x1.4 mm	Arm Cortex-M0+	32	-	16	-	128	2	2	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	-	26	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.23	76	-40	85
STM32L010K8	Ultra-low-power value line Arm Cortex-M0+ MCU with 64-Kbytes of Flash memory, 32 MHz CPU	LQFP 32 7x7x1.4 mm	Arm Cortex-M0+	32	-	64	-	256	8	2	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	-	25	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.27	87	-40	85
STM32L010R8	Ultra-low-power value line Arm Cortex-M0+ MCU with 64-Kbytes of Flash memory, 32 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M0+	32	-	64	-	256	8	2	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	-	51	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.27	87	-40	85
STM32L010RB	Ultra-low-power value line Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU	LQFP 64 10x10x1.4 mm	Arm Cortex-M0+	32	-	128	-	512	20	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	-	51	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.29	93	-40	85
STM32L011D3	Ultra-low-power ARM Cortex-M0+ MCU with 8-Kbytes Flash, 32 MHz CPU	TSSOP-14L	Arm Cortex-M0+	32	-	8	false	512	2	2	-	Dual Watchdog,RTC,SysTick	-	4	-	-	-	-	2	11	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	1.65	3.6	0.23	87	-40	85
STM32L011D4	Ultra-low-power ARM Cortex-M0+ MCU with 16-Kbytes Flash, 32 MHz CPU	TSSOP-14L	Arm Cortex-M0+	32	-	16	false	512	2	2	-	Dual Watchdog,RTC,SysTick	-	4	-	-	-	-	2	11	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	1.65	3.6	0.25	87	-40	105,85
STM32L011E3	Ultra-low-power ARM Cortex-M0+ MCU with 8-Kbytes Flash, 32 MHz CPU	WLCSP 25 2.2x2.1x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	8	false	512	2	2	-	Dual Watchdog,RTC,SysTick	-	10	-	-	-	-	2	21	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	1.65	3.6	0.25	87	-40	85
STM32L011E4	Ultra-low-power Arm Cortex-M0+ MCU with 16-Kbytes Flash, 32 MHz CPU	WLCSP 25 2.2x2.1x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	16	false	512	2	2	-	Dual Watchdog,RTC,SysTick	-	10	-	-	-	-	2	21	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	1.65	3.6	0.25	87	-40	85
STM32L011F3	Ultra-low-power ARM Cortex-M0+ MCU with 8-Kbytes Flash, 32 MHz CPU	TSSOP-20,UFQFPN 20 3x3x0.6 mm	Arm Cortex-M0+	32	-	8	false	512	2	2	-	Dual Watchdog,RTC,SysTick	-	7,9	-	-	-	-	2	16	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	1.65	3.6	0.25	87	-40	125,85
STM32L011F4	Ultra-low-power Arm Cortex-M0+ MCU with 16-Kbytes Flash, 32 MHz CPU	TSSOP-20,UFQFPN 20 3x3x0.6 mm	Arm Cortex-M0+	32	-	16	-	512	2	2	-	Dual Watchdog,RTC,SysTick	-	7,9	-	-	-	-	2	16	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	1.65	3.6	0.25	87	-40	125,85
STM32L011G3	Ultra-low-power ARM Cortex-M0+ MCU with 8-Kbytes Flash, 32 MHz CPU	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	32	-	8	false	512	2	2	-	Dual Watchdog,RTC,SysTick	-	10	-	-	-	-	2	24	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	1.65	3.6	0.25	87	-40	105,85
STM32L011G4	Ultra-low-power ARM Cortex-M0+ MCU with 16-Kbytes Flash, 32 MHz CPU	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	32	-	16	-	512	2	2	-	Dual Watchdog,RTC,SysTick	-	10	-	-	-	-	2	24	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	1.65	3.6	0.25	87	-40	105,85
STM32L011K3	Ultra-low-power Arm Cortex-M0+ MCU with 8-Kbytes of Flash memory, 32 MHz CPU	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	8	false	512	2	2	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	28	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.23	76	-40	85
STM32L011K4	Ultra-low-power Arm Cortex-M0+ MCU with 16-Kbytes of Flash memory, 32 MHz CPU	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	16	false	512	2	2	-	Dual Watchdog,RTC,SysTick	-	10	-	-	-	-	2	26,28	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	87	-40	105,125,85
STM32L021D4	Ultra-low-power Arm Cortex-M0+ MCU with 16-Kbytes of Flash memory, 32 MHz CPU, AES	TSSOP-14L	Arm Cortex-M0+	32	-	16	false	512	2	2	-	Dual Watchdog,RTC,SysTick	-	4	-	-	-	-	2	11	-	-	-	-	1	1	-	1	-	-	-	-	-	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.23	87	-40	105,85
STM32L021F4	Ultra-low-power Arm Cortex-M0+ MCU with 16-Kbytes of Flash memory, 32 MHz CPU, AES	UFQFPN 20 3x3x0.6 mm	Arm Cortex-M0+	32	-	16	false	512	2	2	-	Dual Watchdog,RTC,SysTick	1	7,9	-	-	-	-	2	16	-	-	-	-	1	1	-	1	-	-	-	-	-	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.23	76	-40	105,85
STM32L021G4	Ultra-low-power Arm Cortex-M0+ MCU with 16-Kbytes of Flash memory, 32 MHz CPU, AES	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	32	-	16	false	512	2	2	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	24	-	-	-	-	1	1	-	1	-	-	-	-	-	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.23	76	-40	105,85
STM32L021K4	Ultra-low-power Arm Cortex-M0+ MCU with 16-Kbytes of Flash memory, 32 MHz CPU, AES	LQFP 32 7x7x1.4 mm	Arm Cortex-M0+	32	-	16	false	512	2	2	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	26	-	-	-	-	1	1	-	1	-	-	-	-	-	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.23	76	-40	105,85
STM32L031C4	Ultra-low-power Arm Cortex-M0+ MCU with 16-Kbytes of Flash memory, 32 MHz CPU	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	16	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	38	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	80	-40	85
STM32L031C6	Ultra-low-power Arm Cortex-M0+ MCU with 32-Kbytes of Flash memory, 32 MHz CPU	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	32	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	38	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	80	-40	105,125,85
STM32L031E4	ultra-low-power Arm Cortex-M0+ MCU with 16-Kbytes of Flash memory, 32 MHz CPU	WLCSP 25 2.1x2.5x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	16	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	20	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	80	-40	85
STM32L031E6	Ultra-low-power Arm Cortex-M0+ MCU with 32-Kbytes of Flash memory, 32 MHz CPU	WLCSP 25 2.1x2.5x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	32	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	20	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	80	-40	85
STM32L031F4	ultra-low-power Arm Cortex-M0+ MCU with 16-Kbytes of Flash memory, 32 MHz CPU	TSSOP-20	Arm Cortex-M0+	32	-	16	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	15	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	80	-40	105,125,85
STM32L031F6	Ultra-low-power Arm Cortex-M0+ MCU with 32-Kbytes of Flash memory, 32 MHz CPU	TSSOP-20	Arm Cortex-M0+	32	-	32	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	15	-	-	-	-	1	1	-	1	1	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	80	-40	105,85
STM32L031G4	ultra-low-power Arm Cortex-M0+ MCU with 16-Kbytes of Flash memory, 32 MHz CPU	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	32	-	16	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	21	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	80	-40	85
STM32L031G6	Ultra-low-power Arm Cortex-M0+ MCU with 32-Kbytes of Flash memory, 32 MHz CPU	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	32	-	32	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	21,23	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	80	-40	105,125,85
STM32L031K4	Ultra-low-power Arm Cortex-M0+ MCU with 16-Kbytes of Flash memory, 32 MHz CPU	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	16	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	27	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	80	-40	85
STM32L031K6	Ultra-low-power Arm Cortex-M0+ MCU with 32-Kbytes of Flash memory, 32 MHz CPU	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	32	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	25,27	-	-	-	-	1	1	-	1	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	80	-40	105,125,85
STM32L041C6	Ultra-low-power Arm Cortex-M0+ MCU with 32-Kbytes of Flash memory, 32 MHz CPU, AES	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	32	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	38	-	-	-	-	1	1	-	1	-	-	-	-	-	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	87	-40	105,85
STM32L041E6	Ultra-low-power Arm Cortex-M0+ MCU with 32-Kbytes of Flash memory, 32 MHz CPU, AES	WLCSP 25 2.1x2.5x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	32	-	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	20	-	-	-	-	1	1	-	1	-	-	-	-	-	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	87	-40	85
STM32L041F6	Ultra-low-power Arm Cortex-M0+ MCU with 32-Kbytes of Flash memory, 32 MHz CPU, AES	TSSOP-20	Arm Cortex-M0+	32	-	32	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	15	-	-	-	-	1	1	-	1	-	-	-	-	-	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	87	-40	105
STM32L041G6	Ultra-low-power Arm Cortex-M0+ MCU with 32-Kbytes of Flash memory, 32 MHz CPU, AES	UFQFPN 28 4x4x0.55 mm	Arm Cortex-M0+	32	-	32	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	21,23	-	-	-	-	1	1	-	1	-	-	-	-	-	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	87	-40	105,85
STM32L041K6	Ultra-low-power Arm Cortex-M0+ MCU with 32-Kbytes of Flash memory, 32 MHz CPU, AES	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	32	false	1024	8	3	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	25,27	-	-	-	-	1	1	-	1	-	-	-	-	-	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.25	87	-40	105,125,85
STM32L051C6	Ultra-low-power Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 32 MHz CPU	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	32	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	37	-	-	-	-	2	2	1	2	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	85
STM32L051C8	Ultra-low-power Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 32 MHz CPU	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	37	-	-	-	-	2	2	1	2	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,125,85
STM32L051K6	Ultra-low-power Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 32 MHz CPU	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	32	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	25,27	-	-	-	-	1	1	-	2	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	85
STM32L051K8	Ultra-low-power Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 32 MHz CPU	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	25,27	-	-	-	-	1	1	-	2	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,125,85
STM32L051R6	Ultra-low-power Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 32 MHz	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M0+	32	-	32	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	2	50,51	-	-	-	-	2	2	1	2	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	85
STM32L051R8	Ultra-low-power Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 32 MHz	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	2	50,51	-	-	-	-	2	2	1	2	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,85
STM32L051T6	Ultra-low-power Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 32 MHz CPU	WLCSP 36 2.9x2.6x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	32	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	29	-	-	-	-	2	1	-	2	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	85
STM32L051T8	Ultra-low-power Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 32 MHz CPU	WLCSP 36 2.9x2.6x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	29	-	-	-	-	2	1	-	2	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,85
STM32L052C6	Ultra-low-power Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	32	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	37	-	-	-	-	2	2	1	2	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	85
STM32L052C8	Ultra-low power Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	37	-	-	-	-	2	2	1	2	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,85
STM32L052K6	Ultra-low-power Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	32	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	-	10	-	-	-	1	2	25,27	-	-	-	-	1	1	-	2	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,85
STM32L052K8	Ultra-low power Arm Cortex-M0+ MCU with 64-Kbyte of Flash memory, 32 MHz CPU, USB	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	25,27	-	-	-	-	1	1	-	2	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,125,85
STM32L052R6	Ultra-low-power Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M0+	32	-	32	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	50,51	-	-	-	-	2	2	1	2	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	85
STM32L052R8	Ultra-low power Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	50,51	-	-	-	-	2	2	1	2	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,85
STM32L052T6	Ultra-low-power Arm Cortex-M0+ MCU with 32-Kbytes of Flash memory, 32 MHz CPU, USB	WLCSP 36 2.9x2.6x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	32	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	29	-	-	-	-	2	1	-	2	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,85
STM32L052T8	Ultra-low-power Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB	WLCSP 36 2.9x2.6x0.33 P 0.4 mm,WLCSP 36 2.9x2.6x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	29	-	-	-	-	2	1	-	2	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,85
STM32L053C6	Ultra-low-power Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 32 MHz CPU, USB, LCD	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	32	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	37	Segment LCD	-	-	-	2	2	1	2	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,85
STM32L053C8	Ultra-low-power Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB, LCD	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	37	Segment LCD	-	-	-	2	2	1	2	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,125,85
STM32L053R6	Ultra-low-power Arm Cortex-M0+ MCU with 32 Kbytes of Flash memory, 32 MHz CPU, USB, LCD	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M0+	32	-	32	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	50,51	Segment LCD	-	-	-	2	2	1	2	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	85
STM32L053R8	Ultra-low-power Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB, LCD	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	50,51	Segment LCD	-	-	-	2	2	1	2	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,125,85
STM32L062C8	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU, USB, AES	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	64	-	2048	8	-	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	-	37	-	-	-	-	2	-	-	-	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	85
STM32L062K8	Ultra-low-power Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB, AES	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	25,27	-	-	-	-	1	1	-	2	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	85
STM32L063C8	Ultra-low-power Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB, LCD, AES	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	37	Segment LCD	-	-	-	2	2	1	2	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	85
STM32L063R8	Ultra-low-power Arm Cortex-M0+ MCU with 64 Kbytes of Flash memory, 32 MHz, USB, LCD, AES	LQFP 64 10x10x1.4 mm	Arm Cortex-M0+	32	-	64	-	2048	8	4	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	51	Segment LCD	-	-	-	2	2	1	2	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.27	87	-40	105,85
STM32L071C8	Ultra-low-power Arm Cortex-M0+ MCU with 64-Kbytes of Flash memory, 32 MHz CPU	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	64	-	3072	20	6	-	Dual Watchdog,RTC,SysTick	1	13	-	-	-	-	2	37	-	-	-	-	3	2	1	4	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	105,85
STM32L071CB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.3x3.3x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	10,13	-	-	-	-	2	37,40	-	-	-	-	2	2	1	4	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	105,125,85
STM32L071CZ	Ultra-low-power Arm Cortex-M0+ MCU with 192 Kbytes of Flash memory, 32 MHz CPu	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.3x3.3x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	13	-	-	-	-	2	37,40	-	-	-	-	2	2	1	4	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	105,125,85
STM32L071K8	Ultra-low-power Arm Cortex-M0+ MCU with 64-Kbytes of Flash memory, 32 MHz CPU	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	64	-	3072	20	6	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	23	-	-	-	-	3	1	-	3	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	125,85
STM32L071KB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	23,25	-	-	-	-	3	1	-	3,4	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	125,85
STM32L071KZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	23,25	-	-	-	-	2	1	-	3,4	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	125,85
STM32L071RB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	2	50,51	-	-	-	-	2	2	1	4	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	105,85
STM32L071RZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	2	50,51	-	-	-	-	2	2	1	4	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	105,85
STM32L071V8	Ultra-low-power Arm Cortex-M0+ MCU with 64-Kbytes of Flash memory, 32 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M0+	32	-	64	-	3072	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	2	84	-	-	-	-	3	2	1	4	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	85
STM32L071VB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	2	84	-	-	-	-	2	2	1	4	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	105,85
STM32L071VZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU	LQFP 100 14x14x1.4 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	-	2	84	-	-	-	-	2	2	1	4	-	-	-	-	-	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	105,85
STM32L072CB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.3x3.3x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	13	-	-	-	2	2	37,40	-	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	85
STM32L072CZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.3x3.3x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	13	-	-	-	2	2	37,40	-	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	105,125,85
STM32L072KB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU, USB	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	2	2	23	-	-	-	-	3	1	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	105,125,85
STM32L072KZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	2	2	23,25	-	-	-	-	3	1	-	3,4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	105,85
STM32L072RB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M0+	32	-	128	-	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	50,51	-	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	125,85
STM32L072RZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	15,16	-	-	-	2	2	50,51	-	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	85
STM32L072V8	Ultra-low-power Arm Cortex-M0+ MCU with 64-Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0+	32	-	64	true	3072	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	84	-	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	85
STM32L072VB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	84	-	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	85
STM32L072VZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	84	-	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	85
STM32L073CB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU, USB, LCD	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	13	-	-	-	2	2	37	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	85
STM32L073CZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU, USB, LCD	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.3x3.3x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	-	13	-	-	-	2	2	37	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	125,85
STM32L073RB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU, USB, LCD	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	50,51	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	85
STM32L073RZ	Ultra-low-power Arm Cortex-M0+ MCU with 192 Kbytes of Flash memory, 32 MHz CPU, USB, LCD	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	50,51	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	125,85
STM32L073V8	Ultra-low-power Arm Cortex-M0+ MCU with 64-Kbytes of Flash memory, 32 MHz CPU, USB, LCD	LQFP 100 14x14x1.4 mm	Arm Cortex-M0+	32	-	64	true	3072	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	84	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	105,85
STM32L073VB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU, USB, LCD	LQFP 100 14x14x1.4 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	84	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	105,85
STM32L073VZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU, USB, LCD	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	84	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	125,85
STM32L081CB	Ultra-low-power ARM Cortex-M0+ MCU with 128-Kbytes Flash, 32 MHz CPU, AES	LQFP 48 7x7x1.4 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	37	-	-	-	-	3	2	1	4	-	-	-	-	-	AES	-	-	1.65	3.6	0.29	87	-40	85
STM32L081CZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU, AES	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	13	-	-	-	-	2	37	-	-	-	-	2	2	1	4	-	-	-	-	-	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	85
STM32L081KZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU, AES	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	2	23,25	-	-	-	-	2	1	-	3,4	-	-	-	-	-	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	85
STM32L082CZ	Ultra-low-power ARM Cortex-M0+ MCU with 192-Kbytes Flash, 32 MHz CPU, AES	UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.3x3.3x0.6 P 0.4 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	13	-	-	-	2	2	37,40	-	-	-	-	3	2	1	4	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	93	-40	125,85
STM32L082KB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU, USB, AES	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	128	true	6144	20	-	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	-	-	23	-	-	-	-	3	-	-	-	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	85
STM32L082KZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU, USB, AES	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	2	2	23,25	-	-	-	-	3	1	-	3,4	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	85
STM32L083CB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU, USB, LCD, AES	LQFP 48 7x7x1.4 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	2	2	37	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	85
STM32L083CZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU, USB, LCD, AES	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	10	-	-	-	2	2	37	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	85
STM32L083RB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU, USB, LCD, AES	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	50,51	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	85
STM32L083RZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU, USB, LCD, AES	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	50,51	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	125,85
STM32L083V8	Ultra-low-power Arm Cortex-M0+ MCU with 64-Kbytes of Flash memory, 32 MHz CPU, USB, LCD, AES	LQFP 100 14x14x1.4 mm	Arm Cortex-M0+	32	-	64	-	3072	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	84	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	85
STM32L083VB	Ultra-low-power Arm Cortex-M0+ MCU with 128-Kbytes of Flash memory, 32 MHz CPU, USB, LCD, AES	LQFP 100 14x14x1.4 mm	Arm Cortex-M0+	32	-	128	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	84	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	85
STM32L083VZ	Ultra-low-power Arm Cortex-M0+ MCU with 192-Kbytes of Flash memory, 32 MHz CPU, USB, LCD, AES	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M0+	32	-	192	true	6144	20	6	-	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	84	Segment LCD	-	-	-	3	2	1	4	-	-	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.29	87	-40	85

STM32L412C8	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 64 Kbytes of Flash memory, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	64	-	-	40	4	1	Dual Watchdog,RTC,SysTick	2	10	-	-	-	-	1	38	-	-	-	-	3	2	-	3	-	1	-	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	70	-40	85
STM32L412CB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of Flash memory, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	40	4	1	Dual Watchdog,RTC,SysTick	2	10	-	-	-	-	1	38	-	-	-	-	3	2	-	3	-	1	-	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.01	70	-40	125,85
STM32L412K8	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 64 Kbytes of Flash memory, USB	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	64	-	-	40	4	1	Dual Watchdog,RTC,SysTick	2	10	-	-	-	-	1	26	-	-	-	-	2	1	-	2	-	1	-	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	70	-40	85
STM32L412KB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of Flash memory, USB	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	40	4	1	Dual Watchdog,RTC,SysTick	-	10	-	-	-	-	1	26	-	-	-	-	2	1	-	2	-	1	-	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	70	-40	125,85
STM32L412R8	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 64 Kbytes of Flash memory, USB	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	64	-	-	40	4	1	Dual Watchdog,RTC,SysTick	2	16	-	-	-	-	1	52	-	-	-	-	3	2	-	3	-	1	-	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	70	-40	85
STM32L412RB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of Flash memory, USB	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	40	4	1	Dual Watchdog,RTC,SysTick	2	15,16	-	-	-	-	1	50,52	-	-	-	-	3	2	-	3	-	1	-	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.01	70	-40	125,85
STM32L412TB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of Flash memory, USB	WLCSP 36 2.6x3.1x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	40	4	1	Dual Watchdog,RTC,SysTick	2	10	-	-	-	-	1	28,29	-	-	-	-	2	1	-	2	-	1	-	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	70	-40	125,85
STM32L422CB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of of Flash memory memory, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	40	4	1	Dual Watchdog,RTC,SysTick	2	10	-	-	-	-	1	38	-	-	-	-	3	2	-	3	-	1	-	Quad SPI	USB Device	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	70	-40	85
STM32L422KB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of of Flash memory memory, USB	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	40	4	1	Dual Watchdog,RTC,SysTick	2	10	-	-	-	-	1	26	-	-	-	-	2	1	-	2	-	1	-	Quad SPI	USB Device	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	70	-40	85
STM32L422RB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of of Flash memory memory, USB	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	40	4	1	Dual Watchdog,RTC,SysTick	2	16	-	-	-	-	1	52	-	-	-	-	3	2	-	3	-	1	-	Quad SPI	USB Device	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	70	-40	85
STM32L422TB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of Flash memory, USB	WLCSP 36 2.6x3.1x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	40	4	1	Dual Watchdog,RTC,SysTick	2	10	-	-	-	-	1	29	-	-	-	-	2	1	-	2	-	1	-	Quad SPI	USB Device	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	70	-40	85
STM32L431CB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of Flash memory	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.2x3.2x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	64	5	1	Dual Watchdog,RTC,SysTick	1	10,11	-	-	-	2	2	38,39	-	-	-	1	3	3	-	3	-	1	SAI	Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	105,85
STM32L431CC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.2x3.2x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	64	5	1	Dual Watchdog,RTC,SysTick	1	10,11	-	-	-	2	2	38,39	-	-	-	1	3	3	-	3	-	1	SAI	Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	105,85
STM32L431KB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of Flash memory	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	64	5	1	Dual Watchdog,RTC,SysTick	1	10	-	-	-	2	2	26	-	-	-	1	2	2	-	2	-	1	SAI	Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	125,85
STM32L431KC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	64	5	1	Dual Watchdog,RTC,SysTick	1	10	-	-	-	2	2	26	-	-	-	1	2	2	-	2	-	1	SAI	Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	85
STM32L431RB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of Flash memory	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm,WLCSP 64 3.2x3.2x0.6 P 0.35 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	64	5	1	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	52	-	-	-	1	3	3	-	3	-	1	SAI,SD/MMC	Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	125,85
STM32L431RC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm,WLCSP 64 3.2x3.2x0.6 P 0.35 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	64	5	1	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	52	-	-	-	1	3	3	-	3	-	1	SAI,SD/MMC	Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	85
STM32L431VC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	64	5	1	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	83	-	-	-	1	3	3	-	3	-	1	SAI,SD/MMC	Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	-	-40	105,125,85
STM32L432KB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of Flash memory, USB	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	64	5	1	Dual Watchdog,RTC,SysTick	1	10	-	-	-	2	2	26	-	-	-	1	2	2	-	2	-	1	SAI	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	85
STM32L432KC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory, USB	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	64	5	1	Dual Watchdog,RTC,SysTick	1	10	-	-	-	2	2	26	-	-	-	1	2	2	-	2	-	1	SAI	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	85
STM32L433CB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of Flash memory, USB FS, LCD	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.2x3.2x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	64	5	1	Dual Watchdog,RTC,SysTick	-	10,11	-	-	-	2	2	38,39	Segment LCD	-	-	1	3	3	-	3	-	1	SAI	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	105,85
STM32L433CC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory, LCD, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.2x3.2x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	64	5	1	Dual Watchdog,RTC,SysTick	-	10,11	-	-	-	2	2	38,39	Segment LCD	-	-	1	3	3	-	3	-	1	SAI	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	125,85
STM32L433RB	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 128 Kbytes of Flash memory, USB FS, LCD	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm,WLCSP 64 3.2x3.2x0.6 P 0.35 mm	Arm Cortex-M4	80	Single-precision FPU	128	-	-	64	5	1	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	52	Segment LCD	-	-	1	3	3	-	3	-	1	SAI,SD/MMC	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	85
STM32L433RC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory, LCD, USB	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm,WLCSP 64 3.2x3.2x0.6 P 0.35 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	64	5	1	Dual Watchdog,RTC,SysTick	-	15,16	-	-	-	2	2	50,52	Segment LCD	-	-	1	3	3	-	3	-	1	SAI,SD/MMC	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.01	80	-40	125,85
STM32L433VC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory, LCD, USB	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	64	5	1	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	83	Segment LCD	-	-	1	3	3	-	3	-	1	SAI,SD/MMC	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	125,85
STM32L442KC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory, USB, AES-256, DFSDM	UFQFPN 32 5x5x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	64	5	1	Dual Watchdog,RTC,SysTick	1	10	-	-	-	2	2	26	-	-	-	1	2	2	-	2	-	1	SAI	Quad SPI	USB Device	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	85
STM32L443CC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory, LCD, USB, AES-256, DFSDM	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.2x3.2x0.33 P 0.4 mm,WLCSP 49 3.2x3.2x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	64	5	1	Dual Watchdog,RTC,SysTick	-	10,11	-	-	-	2	2	38,39	Segment LCD	-	-	1	3	3	-	3	-	1	SAI	Quad SPI	USB Device	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	85
STM32L443RC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory, LCD, USB, AES-256, DFSDM	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm,WLCSP 64 3.2x3.2x0.6 P 0.35 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	64	5	1	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	52	Segment LCD	-	-	1	3	3	-	3	-	1	SAI,SD/MMC	Quad SPI	USB Device	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	125,85
STM32L443VC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory, LCD, USB, AES-256, DFSDM	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	64	5	1	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	83	Segment LCD	-	-	1	3	3	-	3	-	1	SAI,SD/MMC	Quad SPI	USB Device	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	85
STM32L451CC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 kbytes of Flash memory, DFSDM	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	38	-	-	-	1	4	3	-	3	1	1	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	125,85
STM32L451CE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, DFSDM	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	512	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	38	-	-	-	1	4	3	-	3	1	1	DFSDM,SAI	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	85
STM32L451RC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 kbytes of Flash memory, DFSDM	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	52	-	-	-	1	4	3	-	3	1	1	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	125,85
STM32L451RE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, DFSDM	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm,WLCSP 64 3.4x3.7x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	52	-	-	-	1	4	3	-	3	1	1	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	85
STM32L451VC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 kbytes of Flash memory, DFSDM	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	160	5	1	Dual Watchdog,RTC,SysTick	-	16	-	-	-	1	2	83	-	-	-	1	4	3	-	3	1	1	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	85
STM32L451VE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, DFSDM	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	512	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	83	-	-	-	1	4	3	-	3	1	1	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	80	-40	85
STM32L452CC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 kbytes of Flash memory, USB Device, DFSDM	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	38	-	-	-	1	4	3	-	3	1	1	DFSDM,SAI	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L452CE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, USB Device, DFSDM	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	512	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	10	-	-	-	1	2	38	Segment LCD	-	-	1	4	3	-	3	1	1	DFSDM,SAI	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	100	-40	125,85
STM32L452RC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 kbytes of Flash memory, USB Device, DFSDM	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	52	-	-	-	1	4	3	-	3	1	1	DFSDM,SAI,SD/MMC	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L452RE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, USB Device, DFSDM	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm,WLCSP 64 3.4x3.7x0.6 P 0.4 mm,WLCSP 64 3.5x3.6x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	15,16	-	-	-	1	2	50,52	Segment LCD	-	-	1	4	3	-	3	1	1	DFSDM,SAI,SD/MMC	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	100	-40	125,85
STM32L452VC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 kbytes of Flash memory, USB Device, DFSDM	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	256	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	83	-	-	-	1	4	3	-	3	1	1	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L452VE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, USB Device, DFSDM	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	512	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	83	Segment LCD	-	-	1	4	3	-	3	1	1	SAI,SD/MMC	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	125,85
STM32L462CE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, USB Device, AES-256, DFSDM	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	80	Single-precision FPU	512	-	-	160	5	1	Dual Watchdog,RTC,SysTick	-	10	-	-	-	1	2	38	-	-	-	1	4	3	-	3	1	1	DFSDM,SAI	Quad SPI	USB Device	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	100	-40	125,85
STM32L462RE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, USB Device, AES-256, DFSDM	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm,WLCSP 64 3.4x3.7x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	52	-	-	-	1	4	3	-	3	1	1	DFSDM,SAI,SD/MMC	Quad SPI	USB Device	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L462VE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, USB Device, AES-256, DFSDM	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	512	-	-	160	5	1	Dual Watchdog,RTC,SysTick	1	16	-	-	-	1	2	83	-	-	-	1	4	3	-	3	1	1	DFSDM,SAI	-	USB Device	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L471QE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 Kbytes of Flash memory, DFSDM	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	128	9	2	Dual Watchdog,RTC,SysTick	-	19	-	-	-	2	2	109	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	105,125,85
STM32L471QG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, DFSDM	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	-	19	-	-	-	2	2	109	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L471RE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 Kbytes of Flash memory, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	128	9	2	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	51	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	125,85
STM32L471RG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	51	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L471VE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 Kbytes of Flash memory, DFSDM	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	128	9	2	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	82	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L471VG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, DFSDM	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	82	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	125,85
STM32L471ZE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 Kbytes of Flash memory, DFSDM	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	128	9	2	Dual Watchdog,RTC,SysTick	-	24	-	-	-	2	2	114	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	125,85
STM32L471ZG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, DFSDM	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	-	24	-	-	-	2	2	114	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	-	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L475RC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory, USB OTG, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	256	true	-	128	9	2	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	51	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	105,125,85
STM32L475RE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 Kbytes of Flash memory, USB OTG, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	128	9	2	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	51	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L475RG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, USB OTG, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	51	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	105,85
STM32L475VC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory, USB OTG, DFSDM	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	256	true	-	128	9	2	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	82	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L475VE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 Kbytes of Flash memory, USB OTG, DFSDM	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	82	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L475VG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, USB OTG, DFSDM	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	-	16	-	-	-	2	2	82	-	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L476JE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 Kbytes of Flash memory, LCD, USB OTG, DFSDM	WLCSP 72 3.8x4.4x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	57	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L476JG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, LCD, USB OTG, DFSDM	WLCSP 72 3.8x4.4x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	15,16	-	-	-	2	2	55,57	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	100	-40	105,125,85
STM32L476ME	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 Kbytes of Flash memory, LCD, USB OTG, DFSDM	WLCSP 81 3.8x4.4x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	65	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L476MG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, LCD, USB OTG, DFSDM	WLCSP 81 3.8x4.4x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	65	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	125,85
STM32L476QE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 Kbytes of Flash memory, LCD, USB OTG, DFSDM	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	19	-	-	-	2	2	109	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L476QG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, LCD, USB OTG, DFSDM	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	19	-	-	-	2	2	109	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	100	-40	125,85
STM32L476RC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory, LCD, USB OTG, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	256	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	51	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L476RE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 Kbytes of Flash memory, LCD, USB OTG, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	51	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L476RG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, LCD, USB OTG, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	51	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	125,85

STM32L476VC	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 256 Kbytes of Flash memory, LCD, USB OTG, DFSDM	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	256	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	82	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L476VE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 Kbytes of Flash memory, LCD, USB OTG, DFSDM	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	82	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L476VG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, LCD, USB OTG, DFSDM	LQFP 100 14x14x1.4 mm,WLCSP 99 4.42x3.77x0.6 P 0.35 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	82	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	100	-40	105,85
STM32L476ZE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 Kbytes of Flash memory, LCD, USB OTG, DFSDM	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	24	-	-	-	2	2	114	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L476ZG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, LCD, USB OTG, DFSDM	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	24	-	-	-	2	2	114	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FSMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	125,85
STM32L486JG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, LCD, USB OTG, AES-256, DFSDM	WLCSP 72 3.8x4.4x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	57	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L486QG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, LCD, USB OTG, AES-256, DFSDM	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	19	-	-	-	2	2	109	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	85
STM32L486RG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, LCD, USB OTG, AES-256, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	51	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	105,85
STM32L486VG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, LCD, USB OTG, AES-256, DFSDM	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	82	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	125,85
STM32L486ZG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, LCD, USB OTG, AES-256, DFSDM	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	128	9	2	Dual Watchdog,RTC,SysTick	3	24	-	-	-	2	2	114	Segment LCD	-	-	1	3	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	100	-40	125,85
STM32L496AE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, USB OTG, LCD, DFSDM	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	20	-	-	-	2	2	136	Segment LCD	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	90	-40	85
STM32L496AG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, USB OTG, LCD, DFSDM	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	20	-	-	-	2	2	134,136	Segment LCD	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	90	-40	125,85
STM32L496QE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, USB OTG, LCD, DFSDM	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	19	-	-	-	2	2	110	Segment LCD	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	90	-40	85
STM32L496QG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, USB OTG, LCD, DFSDM	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	19	-	-	-	2	2	108,110	Segment LCD	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	90	-40	125,85
STM32L496RE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, USB OTG, LCD, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	52	Segment LCD	-	-	2	3	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	90	-40	85
STM32L496RG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, USB OTG, LCD, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	15,16	-	-	-	2	2	50,52	Segment LCD	-	-	2	-	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	90	-40	125,85
STM32L496VE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, USB OTG, LCD, DFSDM	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	16	-	-	-	2	2	83	Segment LCD	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	90	-40	125,85
STM32L496VG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, USB OTG, LCD, DFSDM	LQFP 100 14x14x1.4 mm,WLCSP 100 4.2x4.7x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	15,16	-	-	-	2	2	80,81,83	Segment LCD	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	90	-40	125,85
STM32L496WG	Ultra-low-power with FPU ARM Cortex-M4 MCU 80 MHz with 1 Mbyte Flash, USB OTG, LCD, DFSDM	WLCSP 115 4.2x4.7x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	-	-	-	-	2	2	80	-	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	90	-40	85
STM32L496ZE	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 512 kbytes of Flash memory, USB OTG, LCD, DFSDM	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	512	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	24	-	-	-	2	2	115	Segment LCD	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.03	90	-40	85
STM32L496ZG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, USB OTG, LCD, DFSDM	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	24	-	-	-	2	2	113,115	Segment LCD	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	90	-40	125,85
STM32L4A6AG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, USB OTG, LCD, AES-256, DFSDM	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	20	-	-	-	2	2	134,136	Segment LCD	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	AES,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	90	-40	85
STM32L4A6QG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, USB OTG, LCD, AES-256, DFSDM	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	19	-	-	-	2	2	108,110	Segment LCD	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	AES,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	90	-40	85
STM32L4A6RG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, USB OTG, LCD, AES-256, DFSDM	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	15,16	-	-	-	2	2	50,52	Segment LCD	-	-	2	3	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	AES,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	90	-40	105,85
STM32L4A6VG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, USB OTG, LCD, AES-256, DFSDM	LQFP 100 14x14x1.4 mm,WLCSP 100 4.2x4.7x0.6 P 0.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	15,16	-	-	-	2	2	80,81,83	Segment LCD	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	AES,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	90	-40	85
STM32L4A6ZG	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 1 Mbyte of Flash memory, USB OTG, LCD, AES-256, DFSDM	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	80	Single-precision FPU	1024	true	-	320	9	2	Dual Watchdog,RTC,SysTick	3	24	-	-	-	2	2	113,115	Segment LCD	-	-	2	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC,Quad SPI	USB OTG FS	AES,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.03	90	-40	85
STM32L4P5AE	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 512 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	512	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	115	LCD TFT Controller	-	-	-	4	-	-	-	-	-	Camera Interface,DFSDM,SAI,SD/MMC	FSMC	USB OTG FS	SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4P5AG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	136	LCD TFT Controller	-	-	-	4	-	-	-	-	-	Camera Interface,DFSDM,SAI,SD/MMC	FSMC	USB OTG FS	SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4P5CE	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 512 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	120	Single-precision FPU	512	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	38	-	-	-	1	4	3	-	6	-	2	DFSDM,SAI	FMC	USB OTG FS	SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4P5CG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	38	-	-	-	-	4	-	-	-	-	-	DFSDM,SAI	FMC	USB OTG FS	SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4P5QE	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 512 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	512	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	-	LCD TFT Controller	-	-	-	4	-	-	-	-	-	Camera Interface,DFSDM,SAI,SD/MMC	FSMC	USB OTG FS	SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4P5QG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	38	-	-	-	1	4	3	-	6	-	2	DFSDM,SAI	FMC	USB OTG FS	SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4P5RE	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 512 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	512	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	54	-	-	-	-	4	-	-	-	-	-	DFSDM,SAI	FMC	USB OTG FS	SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4P5RG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	54	-	-	-	-	4	-	-	-	-	-	DFSDM,SAI	FMC	USB OTG FS	SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4P5VE	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 512 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	LQFP 100 14x14x1.4 mm,WLCSP 100 4.5x4.5x0.6 P 0.4 mm	Arm Cortex-M4	120	Single-precision FPU	512	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	83	-	-	-	1	4	3	-	6	-	2	DFSDM,SAI	FMC	USB OTG FS	SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4P5VG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	LQFP 100 14x14x1.4 mm,WLCSP 100 4.5x4.5x0.6 P 0.4 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	83	-	-	-	1	4	3	-	6	-	2	DFSDM,SAI	FMC	USB OTG FS	SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4P5ZE	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 512 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	512	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	115	LCD TFT Controller	-	-	-	4	-	-	-	-	-	DFSDM,SAI	FMC	USB OTG FS	SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4P5ZG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	115	LCD TFT Controller	-	-	1	4	3	-	6	-	2	DFSDM,SAI	FMC	USB OTG FS	SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4Q5AG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART, AES, PKA	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	136	LCD TFT Controller	-	-	-	4	-	-	-	-	-	DFSDM,SAI	FMC	USB OTG FS	ECC,RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Bypass,External	1.71	3.6	0.02	112	-40	85
STM32L4Q5CG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART, AES, PKA	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	38	-	-	-	-	4	-	-	-	-	-	DFSDM,SAI	FMC	USB OTG FS	ECC,RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4Q5QG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART, AES, PKA	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	-	LCD TFT Controller	-	-	-	4	-	-	-	-	-	DFSDM,SAI	FMC	USB OTG FS	ECC,RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4Q5RG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART, AES, PKA	LQFP 64 10x10x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	54	-	-	-	1	4	3	-	6	-	2	DFSDM,SAI	FMC	USB OTG FS	ECC,RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	125,85
STM32L4Q5VG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART, AES, PKA	LQFP 100 14x14x1.4 mm,WLCSP 100 4.5x4.5x0.6 P 0.4 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	83	LCD TFT Controller	-	-	-	4	-	-	-	-	-	DFSDM,SAI	FMC	USB OTG FS	ECC,RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4Q5ZG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART, AES, PKA	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	320	11	2	Dual Watchdog,RTC,SysTick	2	-	-	-	-	2	2	115	LCD TFT Controller	-	-	-	4	-	-	-	-	-	DFSDM,SAI	FMC	USB OTG FS	ECC,RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4R5AG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	136	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R5AI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	136	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4R5QG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1,2	16	-	-	-	2	2	110	-	-	-	1	4	3	-	3,6	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4R5QI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	110	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	85
STM32L4R5VG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	83	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R5VI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	83	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R5ZG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	LQFP 144 20x20x1.4 mm,WLCSP 144 5.3x5.3x0.6 P 0.4 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	110,115	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R5ZI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART	LQFP 144 20x20x1.4 mm,WLCSP 144 5.3x5.3x0.6 P 0.4 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	110,113,115	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R7AI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	136	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R7VI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	83	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R7ZI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	115	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R9AG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT, MIPI DSI	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	15	-	-	-	2	2	131	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R9AI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT, MIPI DSI	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	15	-	-	-	2	2	131	MIPI DSI	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R9VG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT, MIPI DSI	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	15	-	-	-	2	2	77	MIPI DSI	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R9VI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT, MIPI DSI	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	15	-	-	-	2	2	77	MIPI DSI	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R9ZG	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 1024 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT, MIPI DSI	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm,WLCSP 144 5.3x5.3x0.6 P 0.4 mm	Arm Cortex-M4	120	Single-precision FPU	1024	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	15,16	-	-	-	2	2	110,112	MIPI DSI	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4R9ZI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT, MIPI DSI	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm,WLCSP 144 5.3x5.3x0.6 P 0.4 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	15,16	-	-	-	2	2	110,112	MIPI DSI	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4S5AI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART, AES-256, HASH	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	140	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	AES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	125,85
STM32L4S5QI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART, AES-256, HASH	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	110	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	AES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	112	-40	125,85
STM32L4S5VI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, CHROM-ART, AES-256, HASH	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	83	-	-	-	1	4	3	-	6	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	AES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	125,85
STM32L4S5ZI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of of Flash memory memory, USB OTG, DFSDM, CHROM-ART, AES-256, HASH	LQFP 144 20x20x1.4 mm,WLCSP 144 5.3x5.3x0.6 P 0.4 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	110,115	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	AES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4S7AI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT, AES-256, HASH	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	136	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	AES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4S7VI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT, AES-256, HASH	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	83	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	AES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85

STM32L4S7ZI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT, AES-256, HASH	LQFP 144 20x20x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	16	-	-	-	2	2	115	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	AES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4S9AI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT, MIPI DSI, AES-256, HASH	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	15	-	-	-	2	2	131	-	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	AES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4S9VI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT, MIPI DSI, AES-256, HASH	LQFP 100 14x14x1.4 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	15	-	-	-	2	2	77	MIPI DSI	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	AES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L4S9ZI	Ultra-low-power with FPU Arm Cortex-M4 MCU 120 MHz with 2048 kbytes of Flash memory, USB OTG, DFSDM, LCD-TFT, MIPI DSI, AES-256, HASH	LQFP 144 20x20x1.4 mm,UFBGA 144 10x10x0.6 P 0.8 mm,WLCSP 144 5.3x5.3x0.6 P 0.4 mm	Arm Cortex-M4	120	Single-precision FPU	2048	true	-	640	11	2	Dual Watchdog,RTC,SysTick	1	15,16	-	-	-	2	2	110,112	MIPI DSI	-	-	1	4	3	-	3	2	2	Camera Interface,DFSDM,SAI,SD/MMC	Dual Octo SPI,FMC	USB OTG FS	AES,MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	112	-40	85
STM32L552CC	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 256 kbytes of Flash memory	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M33	110	Single-precision FPU	256	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	38	-	-	1	-	4	3	-	3	1	2	DFSDM,SAI	Octo SPI	USB Device,USB FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	96	-40	85
STM32L552CE	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 512 kbytes of Flash memory	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M33	110	Single-precision FPU	512	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	36,38	-	-	1	-	4	3	-	3	1	2	DFSDM,SAI	Octo SPI	USB Device,USB FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	96	-40	85
STM32L552ME	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 512 kbytes of Flash memory	WLCSP 81 4.1x4.4x0.6 P 0.4 mm	Arm Cortex-M33	110	Single-precision FPU	512	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	58,61	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI,SD/MMC	Octo SPI	USB Device,USB FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External,Internal	1.71	3.6	0.02	96	-40	85
STM32L552QC	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 256 kbytes of Flash memory	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M33	110	Single-precision FPU	256	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	106	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Octo SPI	USB Device,USB FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	96	-40	85
STM32L552QE	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 512 kbytes of Flash memory	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M33	110	Single-precision FPU	512	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	106,110	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Octo SPI	USB Device,USB FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External,Internal	1.71	3.6	0.02	96	-40	85
STM32L552RC	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 256 kbytes of Flash memory	LQFP 64 10x10x1.4 mm	Arm Cortex-M33	110	Single-precision FPU	256	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	52	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI	Octo SPI	USB Device,USB FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	96	-40	125,85
STM32L552RE	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 512 kbytes of Flash memory	LQFP 64 10x10x1.4 mm	Arm Cortex-M33	110	Single-precision FPU	512	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	14,16	-	-	-	2	2	47,50,52	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI	Octo SPI	USB Device,USB FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	96	-40	85
STM32L552VC	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 256 kbytes of Flash memory	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	110	Single-precision FPU	256	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	79	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Octo SPI	USB Device,USB FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	96	-40	85
STM32L552VE	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 512 kbytes of Flash memory	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	110	Single-precision FPU	512	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	79,83	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Octo SPI	USB Device,USB FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	96	-40	85
STM32L552ZC	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 256 kbytes of Flash memory	LQFP 144 20x20x1.4 mm	Arm Cortex-M33	110	Single-precision FPU	256	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	111	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Octo SPI	USB Device,USB FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.02	96	-40	85
STM32L552ZE	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 512 kbytes of Flash memory	LQFP 144 20x20x1.4 mm	Arm Cortex-M33	110	Single-precision FPU	512	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	111,115	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Octo SPI	USB Device,USB FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	96	-40	125,85
STM32L562CE	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 512 kbytes of Flash memory	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M33	110	Single-precision FPU	512	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	36,38	-	-	1	-	4	3	-	3	1	2	DFSDM,SAI	Octo SPI	USB Device,USB FS,USB Type-C	AES,ECC,MD5,OTF DEC,RSA,SHA-1	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External	1.71	3.6	0.02	96	-40	125,85
STM32L562ME	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 512 kbytes of Flash memory	WLCSP 81 4.1x4.4x0.6 P 0.4 mm	Arm Cortex-M33	110	Single-precision FPU	512	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	58,61	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI,SD/MMC	Octo SPI	USB Device,USB FS,USB Type-C	AES,ECC,MD5,OTF DEC,RSA,SHA-1	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	96	-40	85
STM32L562QE	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 512 kbytes of Flash memory	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M33	110	Single-precision FPU	512	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	106,109	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Octo SPI	USB Device,USB FS,USB Type-C	AES,ECC,MD5,OTF DEC,RSA,SHA-1	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	96	-40	85
STM32L562RE	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 512 kbytes of Flash memory	LQFP 64 10x10x1.4 mm	Arm Cortex-M33	110	Single-precision FPU	512	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	47,50,52	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI	Octo SPI	USB Device,USB FS,USB Type-C	AES,ECC,MD5,OTF DEC,RSA,SHA-1	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External,Internal	1.71	3.6	0.02	96	-40	85
STM32L562VE	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 512 kbytes of Flash memory	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	110	Single-precision FPU	512	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	79,83	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Octo SPI	USB Device,USB FS,USB Type-C	AES,ECC,MD5,OTF DEC,RSA,SHA-1	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	96	-40	125,85
STM32L562ZE	Ultra-low-power with FPU Arm Cortex-M33 with Trust Zone, MCU 110 MHz with 512 kbytes of Flash memory	LQFP 144 20x20x1.4 mm	Arm Cortex-M33	110	Single-precision FPU	512	true	-	256	9	2	Dual Watchdog,RTC,SysTick	2	16	-	-	-	2	2	111,115	-	-	1	-	4	3	-	3	2	2	DFSDM,SAI,SD/MMC	FMC,Octo SPI	USB Device,USB FS,USB Type-C	AES,ECC,MD5,OTF DEC,RSA,SHA-1	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	96	-40	85
STM32U535CB	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 128 Kbytes of Flash memory	LQFP 48 7x7x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	128	true	-	274	11	4	Dual Watchdog,RTC,SysTick	1	10,11	1	10,11	-	2	1	33,37	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	-	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U535CC	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 256 Kbytes of Flash memory	LQFP 48 7x7x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	256	true	-	274	11	4	Dual Watchdog,RTC,SysTick	1	10,11	1	10,11	-	2	1	33,37	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	-	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U535CE	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 512 Kbytes of Flash memory	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M33	160	Single-precision FPU	512	true	-	274	-	-	Dual Watchdog,RTC,SysTick	1	10,11	1	10,11	-	2	2	33,37	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	-	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U535JE	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 512 Kbytes of Flash memory	WLCSP 72 3.38x3.38x0.6 P 0.35 mm	Arm Cortex-M33	160	Single-precision FPU	512	true	-	274	-	-	Dual Watchdog,RTC,SysTick	1	12	1	12	-	2	2	50	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U535NC	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 256 Kbytes of Flash memory	WLCSP 56 3.38x3.38x0.6 P 0.4 mm	Arm Cortex-M33	160	Single-precision FPU	256	true	-	274	11	4	Dual Watchdog,RTC,SysTick	1	11	1	11	-	2	1	39	LCD parallel Interface	Chrom-ART	-	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	-	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U535NE	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 512 Kbytes of Flash memory	WLCSP 56 3.38x3.38x0.6 P 0.4 mm	Arm Cortex-M33	160	Single-precision FPU	512	true	-	274	-	-	Dual Watchdog,RTC,SysTick	1	11	1	11	-	2	2	39	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U535RB	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 128 Kbytes of Flash memory	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	128	true	-	274	11	4	Dual Watchdog,RTC,SysTick	1	15,17	1	15,17	-	2	1	37,47	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	-	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U535RC	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 256 Kbytes of Flash memory	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	256	true	-	274	11	4	Dual Watchdog,RTC,SysTick	1	15,17	1	15,17	-	2	1	47,51	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	-	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U535RE	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 512 Kbytes of Flash memory	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	512	true	-	274	11	4	Dual Watchdog,RTC,SysTick	1	15,17	1	15,17	-	2	1,2	47,51	-	Chrom-ART	1	-	4	2,3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	-	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U535VC	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 256 Kbytes of Flash memory	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	256	true	-	274	11	4	Dual Watchdog,RTC,SysTick	1	18,20	1	18,20	-	2	1	79,82	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	-	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U535VE	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 512 Kbytes of Flash memory	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	512	true	-	274	11	4	Dual Watchdog,RTC,SysTick	1	18,20	1	18,20	-	2	1,2	79,82	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U545CE	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 512 Kbytes of Flash memory	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M33	160	Single-precision FPU	512	true	-	274	-	-	Dual Watchdog,RTC,SysTick	1	10,11	1	10,11	-	2	2	33,37	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U545JE	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 512 Kbytes of Flash memory	WLCSP 72 3.38x3.38x0.6 P 0.35 mm	Arm Cortex-M33	160	Single-precision FPU	512	true	-	274	-	-	Dual Watchdog,RTC,SysTick	1	12	1	12	-	2	2	50	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U545NE	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 512 Kbytes of Flash memory	WLCSP 56 3.38x3.38x0.6 P 0.4 mm	Arm Cortex-M33	160	Single-precision FPU	512	true	-	274	-	-	Dual Watchdog,RTC,SysTick	1	11	1	11	-	2	2	39	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U545RE	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 512 Kbytes of Flash memory	LQFP 64 10x10x1.4 mm,UFBGA 64 5x5x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	512	true	-	274	-	-	Dual Watchdog,RTC,SysTick	1	15,17	1	15,17	-	2	2	47,51,79	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U545VE	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 512 Kbytes of Flash memory	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	512	true	-	274	-	-	Dual Watchdog,RTC,SysTick	1	18,20	1	18,20	-	2	2	79,82	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U575AG	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 1 Mbyte of Flash memory	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	1024	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	24	1	24	-	2	2	134,137	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U575AI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	24	1	24	-	2	2	134,137	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U575CG	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 1 Mbyte of Flash memory	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M33	160	Single-precision FPU	1024	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	10,11	1	10,11	-	2	2	33,36	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U575CI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	10,11	1	10,11	-	2	2	33,36	-	Chrom-ART	1	-	4	3	-	3	1	2	ADF,Camera Interface,MDF,SAI	Dual Octo SPI	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U575OG	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 1 Mbyte of Flash memory	WLCSP 90 4.2x4x0.6 P 0.4 mm	Arm Cortex-M33	160	Single-precision FPU	1024	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	16	1	16	-	2	2	69	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	External,Internal	1.71	3.6	0.02	26	-40	125,85
STM32U575OI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	WLCSP 90 4.2x4x0.6 P 0.4 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	11	4	Dual Watchdog,RTC,SysTick	1	16	1	16	-	2	2	-	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U575QG	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 1 Mbyte of Flash memory	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	1024	true	-	786	11	4	Dual Watchdog,RTC,SysTick	1	24	1	24	-	2	2	111,113	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U575QI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	11	4	Dual Watchdog,RTC,SysTick	1	24	1	24	-	2	2	111,113	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U575RG	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 1 Mbyte of Flash memory	LQFP 64 10x10x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	1024	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	15,17	1	15,17	-	2	2	47,50	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U575RI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 64 10x10x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	15,17	1	15,17	-	2	2	47,50	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC	Dual Octo SPI	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U575VG	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 1 Mbyte of Flash memory	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	1024	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	18,20	1	18,20	-	2	2	79,81	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U575VI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	18,20	1	18,20	-	2	2	79,81	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U575ZG	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 1 Mbyte of Flash memory	LQFP 144 20x20x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	1024	true	-	786	11	4	Dual Watchdog,RTC,SysTick	1	22,24	1	22,24	24	2	2	109	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U575ZI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 144 20x20x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	22,24	1	22,24	-	2	2	106	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U585AI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	UFBGA 169 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	24	1	24	-	2	2	134,137	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U585CI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	10,11	1	10,11	-	2	2	33,36	-	Chrom-ART	1	-	4	3	-	3	1	2	ADF,Camera Interface,MDF,SAI	Dual Octo SPI	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U585OI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	WLCSP 90 4.2x4x0.6 P 0.4 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	16	1	16	-	2	2	69	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U585QI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	24	1	24	-	2	2	111,113	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U585RI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 64 10x10x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	15,17	1	15,17	-	2	2	47,50	-	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC	Dual Octo SPI	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U585VI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	11	4	Dual Watchdog,RTC,SysTick	1	18,20	1	18,20	-	2	2	79,81	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U585ZI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 144 20x20x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	786	-	-	Dual Watchdog,RTC,SysTick	1	22,24	1	22,24	-	2	2	106,109	LCD parallel Interface	Chrom-ART	1	-	4	3	-	3	2	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG FS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U595AI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	TFBGA 169 7x7x1.1 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	24	2	24	-	2	2	133,136	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	-	USB OTG HS,USB Type-C	TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U595AJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	TFBGA 169 7x7x1.1 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	24	2	24	-	2	2	136	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	-	USB OTG HS,USB Type-C	TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U595QI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	24	2	24	-	2	2	106,110	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	-	USB OTG HS,USB Type-C	TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U595QJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	24	2	24	-	2	2	106,110	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	-	USB OTG HS,USB Type-C	TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U595RI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 64 10x10x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	17	2	17	-	2	2	47,51	-	-	1	-	6	3	-	4	3	2	-	-	USB OTG HS,USB Type-C	TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U595RJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	LQFP 64 10x10x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	15,17	2	15,17	-	2	2	47,51	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	-	USB OTG HS,USB Type-C	TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U595VI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	18,20	2	18,20	-	2	2	79,82	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	-	USB OTG HS,USB Type-C	TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U595VJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	160	-	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	18,19	2	18,19	-	2	2	79,82	LCD parallel Interface	-	1	-	6	3	-	4	3	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG HS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U595ZI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 144 20x20x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	24	2	24	-	2	2	108	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	-	USB OTG HS,USB Type-C	TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U595ZJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	LQFP 144 20x20x1.4 mm,WLCSP 150 5.38x5.47x0.6 P 0.4 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	22,24	2	22,24	-	2	2	111,114,115	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	-	USB OTG HS,USB Type-C	TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85

STM32U599BJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	WLCSP 208 5.4x5.5x0.6 P 0.35 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	24	2	24	-	2	2	145	LCD TFT Controller,MIPI DSI	NeoChrom GPU	1	-	6	3	-	4	3	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC,xSPI	USB OTG HS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U599NI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	24	2	24	-	2	2	156	LCD TFT Controller,MIPI DSI	NeoChrom GPU	1	-	6	3	-	4	3	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC,xSPI	USB OTG HS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U599NJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	24	2	24	-	2	2	156	LCD TFT Controller,MIPI DSI	NeoChrom GPU	1	-	6	3	-	4	3	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC,xSPI	USB OTG HS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U599VI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	160	-	2048	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	18	2	18	-	2	2	79	LCD TFT Controller	NeoChrom GPU	-	-	6	3	-	4	3	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG HS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U599VJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	160	-	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	18,19	2	18,19	-	2	2	79,82	LCD TFT Controller	NeoChrom GPU	1	-	6	3	-	4	3	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG HS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U599ZI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	LQFP 144 20x20x1.4 mm,WLCSP 150 5.38x5.47x0.6 P 0.4 mm	Arm Cortex-M33	160	-	2048	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	22	2	22	-	2	2	111	LCD TFT Controller	NeoChrom GPU	-	-	6	3	-	4	3	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG HS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U599ZJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	LQFP 144 20x20x1.4 mm,WLCSP 150 5.38x5.47x0.6 P 0.4 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	22,24	2	22,24	-	2	2	108,111	LCD TFT Controller,MIPI DSI	NeoChrom GPU	1	-	6	3	-	4	3	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG HS,USB Type-C	MD5,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U5A5AJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	TFBGA 169 7x7x1.1 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	24	2	24	-	2	2	136	LCD parallel Interface	-	-	-	6	3	-	4	3	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG HS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U5A5QI	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 2 Mbytes of Flash memory	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	2048	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	24	2	24	-	2	2	106	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	Dual Octo SPI,FSMC	USB OTG HS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125
STM32U5A5QJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	24	2	24	-	2	2	106,110	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	Dual Octo SPI,Quad SPI	USB OTG HS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U5A5RJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	LQFP 64 10x10x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	15,17	2	15,17	-	2	2	47,51	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	Dual Octo SPI,Quad SPI	USB OTG HS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U5A5VJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	18,19	2	18,19	-	2	2	79,82	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	Dual Octo SPI,Quad SPI	USB OTG HS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U5A5ZJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	LQFP 144 20x20x1.4 mm,WLCSP 150 5.38x5.47x0.6 P 0.4 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	22,24	2	22,24	-	2	2	111,114	LCD parallel Interface	-	1	-	6	3	-	4	3	2	-	Dual Octo SPI,Quad SPI	USB OTG HS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U5A9BJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	WLCSP 208 5.4x5.5x0.6 P 0.35 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	24	2	24	-	2	2	145	LCD TFT Controller,MIPI DSI	NeoChrom GPU	1	-	6	3	-	4	-	3	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC,xSPI	USB OTG HS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U5A9NJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	TFBGA 216 13x13x1.2 P 0.8 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	22	2	22	-	2	2	156	LCD TFT Controller,MIPI DSI	NeoChrom GPU	1	-	6	3	-	4	3	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC,xSPI	USB OTG HS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	125,85
STM32U5A9VJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	LQFP 100 14x14x1.4 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	12	4	Dual Watchdog,RTC,SysTick	1	18	2	19	-	2	2	79	LCD TFT Controller,MIPI DSI	NeoChrom GPU	1	-	6	3	-	4	3	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG HS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32U5A9ZJ	Ultra-low-power with FPU Arm Cortex-M33 MCU with TrustZone, 160 MHz with 4 Mbytes of Flash memory	LQFP 144 20x20x1.4 mm,WLCSP 150 5.38x5.47x0.6 P 0.4 mm	Arm Cortex-M33	160	Single-precision FPU	4096	true	-	2514	11	4	Dual Watchdog,RTC,SysTick	1	22,24	2	22,24	-	2	2	108,111	LCD TFT Controller,MIPI DSI	NeoChrom GPU	1	-	6	3	-	4	3	2	ADF,Camera Interface,MDF,SAI,SD/MMC,Vref Buffer	Dual Octo SPI,FSMC	USB OTG HS,USB Type-C	AES,MD5,OTF DEC,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.02	26	-40	85
STM32L100C6	Ultra-low-power 32-bit Value Line Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	32	-	2048	4	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.3	185	-40	85
STM32L100C6-A	Ultra-low-power 32-bit Value Line Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	32	-	2048	4	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.3	185	-40	85
STM32L100R8	Ultra-low-power 32-bit Value Line Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	32	-	64	-	2048	8	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	51	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.3	185	-40	85
STM32L100R8-A	Ultra-low-power 32-bit Value Line Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	32	-	64	-	2048	8	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	51	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.3	185	-40	85
STM32L100RB	Ultra-low-power 32-bit Value Line Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	32	-	128	-	2048	10	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	51	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.3	185	-40	85
STM32L100RB-A	Ultra-low-power 32-bit Value Line Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	32	-	128	-	2048	16	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	51	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.3	185	-40	85
STM32L100RC	Ultra-low-power 32-bit Value Line Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	32	-	256	-	4096	16	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	51	Segment LCD	-	-	-	2	3	2	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.8	3.6	0.3	185	-40	85
STM32L151C6	Ultra-low-power Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	32	-	4096	10	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151C6-A	Ultra-low-power Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	32	-	4096	16	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151C8	Ultra-low-power Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	64	-	4096	10	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151C8-A	Ultra-low-power Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	64	-	4096	32	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151CB	Ultra-low-power Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	128	-	4096	16	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151CB-A	Ultra-low-power Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	128	-	4096	32	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151CC	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, USB, 2xOp-amp	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	256	true	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	-	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	105,85
STM32L151QC	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, USB, 3xOp-amp	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	256	true	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	40	-	-	-	2	2	112	-	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151QD	Ultra-low-power Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, USB, 3xOp-amp	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	384	true	12288	48	8	1	Dual Watchdog,RTC,SysTick	1	39,40	-	-	-	2	2	112	-	-	-	-	2	3	2	3	2	3	SD/MMC	FMC	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	230	-40	85
STM32L151QE	Ultra-low-power Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 32 MHz CPU, USB, 2xOp-amp	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	512	true	16384	80	8	1	Dual Watchdog,RTC,SysTick	1	40	-	-	-	2	2	111	-	-	-	-	2	3	2	3	2	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	85
STM32L151R6	Ultra-low-power Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	32	-	32	true	4096	10	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	50,51	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151R6-A	Ultra-low-power Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	32	-	32	-	4096	16	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	50,51	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151R8	Ultra-low-power Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	32	-	64	-	4096	10	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	50,51	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151R8-A	Ultra-low-power Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	32	-	64	-	4096	32	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	50,51	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151RB	Ultra-low-power Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	32	-	128	-	4096	16	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	50,51	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	150,85
STM32L151RB-A	Ultra-low-power Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	32	-	128	-	4096	32	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	50,51	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	105,85
STM32L151RC	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, USB, 3xOp-amp	LQFP 64 10x10x1.4 mm,WLCSP 64 4.6x4.9x0.6 P 0.4 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	21	-	-	-	2	2	51	-	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151RC-A	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, USB, 3xOp-amp	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	-	20	-	-	-	2	2	51	-	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151RD	Ultra-low-power Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, USB, 3xOp-amp	LQFP 64 10x10x1.4 mm,WLCSP 64 4.6x4.9x0.6 P 0.4 mm	Arm Cortex-M3	32	-	384	true	12288	48	8	1	Dual Watchdog,RTC,SysTick	1	21	-	-	-	2	2	51	-	-	-	-	2	3	2	3	2	3	SD/MMC	FMC	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	230	-40	105,85
STM32L151RE	Ultra-low-power Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 32 MHz CPU, USB, 2xOp-amp	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	32	-	512	true	16384	80	8	1	Dual Watchdog,RTC,SysTick	1	21	-	-	-	2	2	51	-	-	-	-	2	3	2	3	2	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	85
STM32L151UC	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, USB, 2xOp-amp	WLCSP 63 3.3x4.2x0.6 P 0.4 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	21	-	-	-	2	2	51	-	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	105,85
STM32L151V8	Ultra-low-power Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	64	-	4096	10	8	-	Dual Watchdog,RTC,SysTick	1	24	-	-	-	2	2	83	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151V8-A	Ultra-low-power Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	64	-	4096	32	8	-	Dual Watchdog,RTC,SysTick	1	24	-	-	-	2	2	83	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151VB	Ultra-low-power Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	128	-	4096	16	8	-	Dual Watchdog,RTC,SysTick	1	24	-	-	-	2	2	83	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151VB-A	Ultra-low-power Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 32 MHz CPU, USB	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	128	-	4096	32	8	-	Dual Watchdog,RTC,SysTick	1	24	-	-	-	2	2	83	-	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151VC	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, USB, 3xOp-amp	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	25	-	-	-	2	2	83	-	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151VC-A	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, USB, 3xOp-amp	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	25	-	-	-	2	2	83	-	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151VD	Ultra-low-power Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, USB, 3xOp-amp	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	32	-	384	true	12288	48	8	1	Dual Watchdog,RTC,SysTick	1	25	-	-	-	2	2	83	-	-	-	-	2	3	2	3	2	3	SD/MMC	FMC	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	230	-40	85
STM32L151VD-X	Ultra-low-power Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 2xOp-amp	LQFP 100 14x14x1.4 mm,WLCSP 104 4.1x5.1x0.6 P 0.4 mm	Arm Cortex-M3	32	-	384	true	16384	80	8	1	Dual Watchdog,RTC,SysTick	1	25	-	-	-	2	2	83	-	-	-	-	2	3	2	3	2	2	SD/MMC	FMC	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	105,85
STM32L151VE	Ultra-low-power Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 32 MHz CPU, MCD, USB, 2xOp-amp	LQFP 100 14x14x1.4 mm,WLCSP 104 4.1x5.1x0.6 P 0.4 mm	Arm Cortex-M3	32	-	512	true	16384	80	8	1	Dual Watchdog,RTC,SysTick	1	25	-	-	-	2	2	83	-	-	-	-	2	3	2	3	2	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	105,85
STM32L151ZC	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, USB, 3xOp-amp	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	40	-	-	-	2	2	115	-	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L151ZD	Ultra-low-power Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, USB, 3xOp-amp	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	32	-	384	true	12288	48	8	1	Dual Watchdog,RTC,SysTick	1	40	-	-	-	2	2	115	-	-	-	-	2	3	2	3	2	3	SD/MMC	FMC	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	230	-40	85
STM32L151ZE	Ultra-low-power Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 32 MHz CPU, USB, 2xOp-amp	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	32	-	512	true	16384	80	8	1	Dual Watchdog,RTC,SysTick	1	40	-	-	-	2	2	115	-	-	-	-	2	3	2	3	2	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	85
STM32L152C6	Ultra-low-power Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	32	-	4096	10	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152C6-A	Ultra-low-power Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	32	-	4096	16	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152C8	Ultra-low-power Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	64	-	4096	10	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152C8-A	Ultra-low-power Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	64	-	4096	32	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152CB	Ultra-low-power Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	128	-	4096	16	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152CB-A	Ultra-low-power Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	128	-	4096	32	8	-	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152CC	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, USB, 2xOp-amp	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	14	-	-	-	2	2	37	Segment LCD	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152QC	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 3xOp-amp	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	40	-	-	-	2	2	112	Segment LCD	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152QD	Ultra-low-power Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 3xOp-amp	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	384	-	12288	48	8	1	Dual Watchdog,RTC,SysTick	1	40	-	-	-	2	2	112	Segment LCD	-	-	-	2	3	2	3	2	3	SD/MMC	FMC	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	230	-40	85
STM32L152QE	Ultra-low-power Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 32 MHz CPU, USB, 2xOp-amp	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	512	true	16384	80	8	1	Dual Watchdog,RTC,SysTick	1	40	-	-	-	2	2	111	Segment LCD	-	-	-	2	3	2	3	2	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	85
STM32L152R6	Ultra-low-power Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	32	-	32	-	4096	10	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	50,51	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152R6-A	Ultra-low-power Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	32	-	32	-	4096	16	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	50,51	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152R8	Ultra-low-power Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	32	-	64	-	4096	10	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	50,51	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152R8-A	Ultra-low-power Arm Cortex-M3 MCU with 64 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	32	-	64	-	4096	32	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	50,51	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152RB	Ultra-low-power Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	32	-	128	-	4096	16	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	50,51	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152RB-A	Ultra-low-power Arm Cortex-M3 MCU with 128 Kbytes of Flash memory, 32 MHz CPU, LCD, USB	LQFP 64 10x10x1.4 mm,TFBGA 64 5x5x1.2 P 0.5 mm	Arm Cortex-M3	32	-	128	-	4096	32	8	-	Dual Watchdog,RTC,SysTick	1	20	-	-	-	2	2	50,51	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152RC	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 3xOp-amp	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	32	-	256	true	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	21	-	-	-	2	2	51	Segment LCD	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152RC-A	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 3xOp-amp	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	21	-	-	-	2	2	51	Segment LCD	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152RD	Ultra-low-power Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 3xOp-amp	LQFP 64 10x10x1.4 mm,WLCSP 64 4.6x4.9x0.6 P 0.4 mm	Arm Cortex-M3	32	-	384	true	12288	48	8	1	Dual Watchdog,RTC,SysTick	1	21	-	-	-	2	2	51	Segment LCD	-	-	-	2	3	2	3	2	3	SD/MMC	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	230	-40	85
STM32L152RE	Ultra-low-power Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 32 MHz CPU, USB, 2xOp-amp	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	32	-	512	-	16384	80	8	1	Dual Watchdog,RTC,SysTick	-	21	-	-	-	2	2	51	Segment LCD	-	-	-	2	3	2	3	2	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	85
STM32L152UC	Ultra-low-power ARM Cortex-M3 MCU with 256 Kbytes Flash, 32 MHz CPU, LCD, USB, 3xOp-amp	WLCSP 63 3.3x4.2x0.6 P 0.4 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	-	20	-	-	-	2	2	51	Segment LCD	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	-	-	1.65	3.6	0.3	177	-40	85
STM32L152V8	Ultra-low-power Cortex-M3 MCU with 64 Kbytes of Flash memory, RTC, LCD, USB	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	64	-	4096	10	8	-	Dual Watchdog,RTC,SysTick	1	24	-	-	-	2	2	83	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152V8-A	Ultra-low-power Cortex-M3 MCU with 64 Kbytes of Flash memory, RTC, LCD, USB	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	64	-	4096	32	8	-	Dual Watchdog,RTC,SysTick	1	24	-	-	-	2	2	83	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152VB	Ultra-low-power Cortex-M3 MCU with 128 Kbytes of Flash memory, RTC, LCD, USB	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	128	-	4096	16	8	-	Dual Watchdog,RTC,SysTick	1	24	-	-	-	2	2	83	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152VB-A	Ultra-low-power Cortex-M3 MCU with 128 Kbytes of Flash memory, RTC, LCD, USB	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	128	-	4096	32	8	-	Dual Watchdog,RTC,SysTick	1	24	-	-	-	2	2	83	Segment LCD	-	-	-	2	2	-	3	-	-	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152VC	Ultra-low-power Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 3xOp-amp	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	25	-	-	-	2	2	83	Segment LCD	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	150,85
STM32L152VC-A	Ultra-low-power Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 3xOp-amp	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	25	-	-	-	2	2	83	Segment LCD	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152VD	Ultra-low-power Cortex-M3 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 3xOp-amp	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	32	-	384	true	12288	48	8	1	Dual Watchdog,RTC,SysTick	1	25	-	-	-	2	2	83	Segment LCD	-	-	-	2	3	2	3	2	3	SD/MMC	FMC	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	230	-40	85
STM32L152VD-X	Ultra-low-power Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 2xOp-amp	LQFP 100 14x14x1.4 mm	Arm Cortex-M3	32	-	384	true	16384	80	8	1	Dual Watchdog,RTC,SysTick	1	25	-	-	-	2	2	83	Segment LCD	-	-	-	2	3	2	3	2	2	SD/MMC	FMC	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	85
STM32L152VE	Ultra-low-power Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 32 MHz CPU, USB, 2xOp-amp	LQFP 100 14x14x1.4 mm,WLCSP 104 4.1x5.1x0.6 P 0.4 mm	Arm Cortex-M3	32	-	512	true	16384	80	8	1	Dual Watchdog,RTC,SysTick	1	25	-	-	-	2	2	83	Segment LCD	-	-	-	2	3	2	3	2	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	85
STM32L152ZC	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 3xOp-amp	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	32	-	256	-	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	40	-	-	-	2	2	115	Segment LCD	-	-	-	2	3	2	3	-	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L152ZD	Ultra-low-power Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 3xOp-amp	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	32	-	384	true	12288	48	8	1	Dual Watchdog,RTC,SysTick	1	40	-	-	-	2	2	115	Segment LCD	-	-	-	2	3	2	3	2	3	SD/MMC	FMC	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	230	-40	85
STM32L152ZE	Ultra-low-power Arm Cortex-M3 MCU with 512 Kbytes of Flash memory, 32 MHz CPU, USB, 2xOp-amp	LQFP 144 20x20x1.4 mm	Arm Cortex-M3	32	-	512	true	16384	80	8	1	Dual Watchdog,RTC,SysTick	1	40	-	-	-	2	2	115	Segment LCD	-	-	-	2	3	2	3	2	2	-	-	USB Device	-	Abnormal Situation Handling,Application Lifecycle,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	85
STM32L162QC	Ultra-low-power ARM Cortex-M3 MCU with 256 Kbytes Flash, 32 MHz CPU, LCD, USB, 2xOp-amp, AES	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	256	true	8192	32	-	-	Dual Watchdog,RTC,SysTick	1	-	-	-	-	-	-	109	Segment LCD	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1.65	3.6	0.3	230	-40	85
STM32L162QD	Ultra-low-power Arm Cortex-M3 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 3xOp-amp, AES	UFBGA 132 7x7x0.6 P 0.5 mm	Arm Cortex-M3	32	-	384	true	12288	48	8	1	Dual Watchdog,RTC,SysTick	1	40	-	-	-	2	2	112	Segment LCD	-	-	-	2	3	2	3	2	3	SD/MMC	FSMC	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	230	-40	85
STM32L162RC	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 2xOp-amp, AES	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	32	-	256	true	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	21	-	-	-	2	2	51	Segment LCD	-	-	-	2	3	2	3	-	2	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L162RC-A	Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, 2xOp-amp, AES	LQFP 64 10x10x1.4 mm	Arm Cortex-M3	32	-	256	true	8192	32	8	1	Dual Watchdog,RTC,SysTick	1	21	-	-	-	2	2	51	Segment LCD	-	-	-	2	3	2	3	-	2	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85

STM32L162RD	Ultra-low-power Arm Cortex M0 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, SxOp-amp, AES	LQFP 64 10x10x1.4 mm,WLCSP 64 4.4x4.4x0.4 0.4 mm	Arm Cortex M0	32	-	384	User	12288	48	8	1	Dual Watchdog,RTC,Sys Tick	1	21	-	-	-	2	2	51	Segmented LCD	-	-	-	2	3	3	1	2	3	SD/MMC	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	230	-40	85
STM32L162RE	Ultra-low-power Arm Cortex M0 MCU with 512 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, SxOp-amp, AES	LQFP 64 10x10x1.4 mm	Arm Cortex M0	32	-	512	User	16384	80	8	1	Dual Watchdog,RTC,Sys Tick	1	21	-	-	-	2	2	51	Segmented LCD	-	-	-	2	5	3	1	2	2	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	85
STM32L162VC	Ultra-low-power Arm Cortex M0 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, SxOp-amp, AES	LQFP 100 14x14x1.4 mm,UFBGA 100 7x7x0.6 0.5 mm	Arm Cortex M0	32	-	256	User	8192	32	8	1	Dual Watchdog,RTC,Sys Tick	1	25	-	-	-	2	2	83	Segmented LCD	-	-	-	2	6	3	1	3	2	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L162VC-G	Ultra-low-power Arm Cortex M0 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, SxOp-amp, AES	LQFP 100 14x14x1.4 mm	Arm Cortex M0	32	-	256	User	8192	32	8	1	Dual Watchdog,RTC,Sys Tick	1	25	-	-	-	2	2	83	Segmented LCD	-	-	-	2	6	3	1	3	2	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	185	-40	85
STM32L162VE	Ultra-low-power Arm Cortex M0 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, SxOp-amp, AES	LQFP 100 14x14x1.4 mm	Arm Cortex M0	32	-	384	User	12288	48	8	1	Dual Watchdog,RTC,Sys Tick	1	25	-	-	-	2	2	83	Segmented LCD	-	-	-	2	6	3	1	3	3	SD/MMC	FMC	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	230	-40	85
STM32L162VE-G	Ultra-low-power Arm Cortex M0 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, SxOp-amp, AES	WLCSP 105 4.1x4.1x0.4 P 0.4 mm	Arm Cortex M0	32	-	384	User	16384	80	-	-	Dual Watchdog,RTC,Sys Tick	1	25	-	-	-	-	-	83	Segmented LCD	-	-	-	2	-	-	-	-	-	SD/MMC	FMC	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	85
STM32L162VG	Ultra-low-power Arm Cortex M0 MCU with 512 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, SxOp-amp, AES	LQFP 100 14x14x1.4 mm,WLCSP 105 4.1x4.1x0.4 P 0.4 mm	Arm Cortex M0	32	-	512	User	16384	80	8	1	Dual Watchdog,RTC,Sys Tick	1	25	-	-	-	2	2	83	Segmented LCD	-	-	-	2	5	3	1	2	2	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	85
STM32L162ZC	Ultra-low-power ARM Cortex-M0 MCU with 256 Kbytes Flash, 32 MHz CPU, LCD, USB, SxOp-amp, AES	LQFP 144 20x20x1.4 mm	Arm Cortex M0	32	-	256	User	8192	32	8	1	Dual Watchdog,RTC,Sys Tick	1	40	-	-	-	2	2	115	Segmented LCD	-	-	-	2	6	3	1	3	2	-	-	-	-	-	-	-	-	-	-	-
STM32L162ZE	Ultra-low-power Arm Cortex M0 MCU with 384 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, SxOp-amp, AES	LQFP 144 20x20x1.4 mm	Arm Cortex M0	32	-	384	User	12288	48	8	1	Dual Watchdog,RTC,Sys Tick	1	40	-	-	-	2	2	115	Segmented LCD	-	-	-	2	6	3	1	3	3	SD/MMC	FMC	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	230	-40	85
STM32L162ZG	Ultra-low-power Arm Cortex M0 MCU with 512 Kbytes of Flash memory, 32 MHz CPU, LCD, USB, SxOp-amp, AES	LQFP 144 20x20x1.4 mm	Arm Cortex M0	32	-	512	User	16384	80	8	1	Dual Watchdog,RTC,Sys Tick	1	40	-	-	-	2	2	115	Segmented LCD	-	-	-	2	5	3	1	2	2	-	-	USB Device	AES	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Secure Boot,Secure Install/Update,Silicon Device Lifecycle,Software IP Protection	-	1.65	3.6	0.3	195	-40	85
STM32L412T8	Ultra-low-power with FPU Arm Cortex-M4 MCU 80 MHz with 64 Kbytes of Flash memory, USB	-	Arm Cortex M4	80	Single precision FPU	64	-	-	40	4	1	Dual Watchdog,RTC,Sys Tick	2	10	-	-	-	-	1	29	-	-	-	-	2	5	2	1	2	1	-	Quad SPI	USB Device	TRNG	Abnormal Situation Handling,Application Lifecycle,Isolation Firewall,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	0.01	70	-40	85

Microcontrollers & Microprocessors / STM32 32-bit Arm Cortex MCUs/STM32 Wireless MCUs

Part Number	General Description	Package	Core	Operating Frequency (MHz)	FPU	Co-Processor type	Co-Processor frequency (MHz) max
STM32WB10CC	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 320 Kbytes of Flash memory, Bluetooth LE 5.4	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB15CC	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 320 Kbytes of Flash memory, Bluetooth LE 5.3, AES-256	UFQFPN 48 7x7x0.55 mm,WLCSP 49 3.3x3.4x0.6 P 0.4 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB1MMC	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32MHz with 320 Kbytes of Flash memory, Bluetooth LE 5.4	SIP LGA 77 6.5x10x1.372 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB30CE	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 512 Kbytes of Flash memory, Bluetooth LE 5.4, 802.15.4, Zigbee, Thread, Matter, AES-256	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB35CC	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 256 Kbytes of Flash memory, Bluetooth LE 5.4, 802.15.4, Zigbee, Thread, Matter, USB, AES-256	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB35CE	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 512 Kbytes of Flash memory, Bluetooth LE 5.4, 802.15.4, Zigbee, Thread, Matter, USB, AES-256	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB50CG	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 1 Mbyte of Flash memory, Bluetooth LE 5.4, 802.15.4, Zigbee, Thread, Matter, AES 256	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB55CC	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 256 Kbytes of Flash memory, Bluetooth LE 5.4, 802.15.4, Zigbee, Thread, USB, LCD, AES-256	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB55CE	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 512 Kbytes of Flash memory, Bluetooth LE 5.4, 802.15.4, USB, LCD, AES-256	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB55CG	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 1 Mbyte of Flash memory, Bluetooth LE 5.4, 802.15.4, Zigbee, Thread, Matter, USB, LCD, AES-256	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB55RC	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 256 Kbytes of Flash memory, Bluetooth LE 5.4, 802.15.4, Zigbee, Thread, Matter, USB, LCD, AES-256	VFQFPN 68 8x8x1.0 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB55RE	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 256 Kbytes of Flash memory, Bluetooth LE 5.4, 802.15.4, Zigbee, Thread, Matter, USB, LCD, AES-256	VFQFPN 68 8x8x1.0 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB55RG	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 1 Mbyte of Flash memory, Bluetooth LE 5.4, 802.15.4, Zigbee, Thread, Matter, USB, LCD, AES-256	VFQFPN 68 8x8x1.0 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB55VC	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 256 Kbytes of Flash memory, Bluetooth LE 5.3, 802.15.4, Zigbee, Thread, Matter, USB, LCD, AES-256	UFBGA 129 7x7x0.6 P 0.5 mm,WLCSP 100 4.4x4.4x0.6 P 0.4 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB55VE	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 512 Kbytes of Flash memory, Bluetooth LE 5.3, 802.15.4, Zigbee, Thread, Matter, USB, LCD, AES-256	UFBGA 129 7x7x0.6 P 0.5 mm,WLCSP 100 4.4x4.4x0.6 P 0.4 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB55VG	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 1 Mbyte of Flash memory, Bluetooth LE 5.3, 802.15.4, Zigbee, Thread, Matter, USB, LCD, AES-256	UFBGA 129 7x7x0.6 P 0.5 mm,WLCSP 100 4.4x4.4x0.6 P 0.4 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB55VY	Ultra-low-power dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 640 Kbytes of Flash memory, Bluetooth LE 5.3, 802.15.4, Zigbee, Thread, Matter, USB, LCD, AES-256	WLCSP 100 4.4x4.4x0.6 P 0.4 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WB5MMG	Ultra-low-power Module - Dual core Arm Cortex-M4 MCU 64 MHz, Cortex-M0+ 32 MHz with 1 Mbyte of Flash memory, Bluetooth LE 5.4, 802.15.4, Zigbee, Thread, Matter, USB, LCD, AES-256	SIP LGA 86 7.3x11x1.342 mm	Arm Cortex-M4	64	-	Arm Cortex-M0+	32
STM32WBA52CE	Ultra-low-power, Arm Cortex-M33 Trust Zone MCU 100 MHz with 512 Kbyte of Flash memory, Bluetooth LE 5.3	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M33	100	Single-precision FPU	-	-
STM32WBA52CG	Ultra-low-power, Arm Cortex-M33 Trust Zone MCU 100 MHz with 1 Mbyte of Flash memory, Bluetooth LE 5.3	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M33	100	Single-precision FPU	-	-
STM32WL54CC	Sub-GHz Wireless Microcontrollers. Dual-core Arm Cortex-M4/M0+ @48 MHz with 256 Kbytes of Flash memory, 64 Kbytes of SRAM. (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	48	-	Arm Cortex-M0+	48
STM32WL54JC	Sub-GHz Wireless Microcontrollers. Dual-core Arm Cortex-M4/M0+ @48 MHz with 256 Kbytes of Flash memory, 64 Kbytes of SRAM. (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFBGA 73 5x5x0.6 P 0.5 mm	Arm Cortex-M4	48	-	Arm Cortex-M0+	48
STM32WL55CC	Sub-GHz Wireless Microcontrollers. Dual-core Arm Cortex-M4/M0+ @48 MHz with 256 Kbytes of Flash memory, 64 Kbytes of SRAM. LoRa, (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	48	-	Arm Cortex-M0+	48
STM32WL55JC	Sub-GHz Wireless Microcontrollers. Dual-core Arm Cortex-M4/M0+ @48 MHz with 256 Kbytes of Flash memory, 64 Kbytes of SRAM. LoRa, (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFBGA 73 5x5x0.6 P 0.5 mm	Arm Cortex-M4	48	-	Arm Cortex-M0+	48
STM32WLE4C8	Sub-GHz Wireless Microcontrollers. Arm Cortex-M4 @48 MHz with 64 Kbytes of Flash memory, 20 Kbytes of SRAM. G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	48	-	-	-
STM32WLE4CB	Sub-GHz Wireless Microcontrollers. Arm Cortex-M4 @48 MHz with 128 Kbytes of Flash memory, 48 Kbytes of SRAM. (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	48	-	-	-
STM32WLE4CC	Sub-GHz Wireless Microcontrollers. Arm Cortex-M4 @48 MHz with 256 Kbytes of Flash memory, 64 Kbytes of SRAM. (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	48	-	-	-
STM32WLE4J8	Sub-GHz Wireless Microcontrollers. Arm Cortex-M4 @48 MHz with 64 Kbytes of Flash memory, 20 Kbytes of SRAM. (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFBGA 73 5x5x0.6 P 0.5 mm	Arm Cortex-M4	48	-	-	-
STM32WLE4JB	Sub-GHz Wireless Microcontrollers. Arm Cortex-M4 @48 MHz with 128 Kbytes of Flash memory, 48 Kbytes of SRAM. (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFBGA 73 5x5x0.6 P 0.5 mm	Arm Cortex-M4	48	-	-	-
STM32WLE4JC	Sub-GHz Wireless Microcontrollers. Arm Cortex-M4 @48 MHz with 256 Kbytes of Flash memory, 64 Kbytes of SRAM. (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFBGA 73 5x5x0.6 P 0.5 mm	Arm Cortex-M4	48	-	-	-
STM32WLE5C8	Sub-GHz Wireless Microcontrollers. Arm Cortex-M4 @48 MHz with 64 Kbytes of Flash memory, 20 Kbytes of SRAM. LoRa, (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	48	-	-	-
STM32WLE5CB	Sub-GHz Wireless Microcontrollers. Arm Cortex-M4 @48 MHz with 128 Kbytes of Flash memory, 48 Kbytes of SRAM. LoRa, (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	48	-	-	-
STM32WLE5CC	Sub-GHz Wireless Microcontrollers. Arm Cortex-M4 @48 MHz with 256 Kbytes of Flash memory, 64 Kbytes of SRAM. LoRa, (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFQFPN 48 7x7x0.55 mm	Arm Cortex-M4	48	-	-	-
STM32WLE5J8	Sub-GHz Wireless Microcontrollers. Arm Cortex-M4 @48 MHz with 64 Kbytes of Flash memory, 20 Kbytes of SRAM. LoRa, (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFBGA 73 5x5x0.6 P 0.5 mm	Arm Cortex-M4	48	-	-	-
STM32WLE5JB	Sub-GHz Wireless Microcontrollers. Arm Cortex-M4 @48 MHz with 128 Kbytes of Flash memory, 48 Kbytes of SRAM. LoRa, (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFBGA 73 5x5x0.6 P 0.5 mm	Arm Cortex-M4	48	-	-	-
STM32WLE5JC	Sub-GHz Wireless Microcontrollers. Arm Cortex-M4 @48 MHz with 256 Kbytes of Flash memory, 64 Kbytes of SRAM. LoRa, (G)FSK, (G)MSK, BPSK modulations. AES 256-bit. Multiprotocol System-on-Chip.	UFBGA 73 5x5x0.6 P 0.5 mm	Arm Cortex-M4	48	-	-	-

Part Number	Flash Size (kB) (Prog)	RAM Size (kB)	Timers (16-bit) typ	Timers (32-bit) typ	Other timer functions	A/D Converters 12-bit: Number of A/D Converters typ	A/D Converters 12-bit: Number of Channels typ	D/A Converters (12-bit) typ	Comparator	I/Os (High Current)	Display controller	I2C typ	SPI typ	I2S typ	USART typ	UART typ	Additional Interfaces	External Memory Interfaces	USB Type	TRNG typ
STM32WB10CC	320	48	2	1	Dual Watchdog,LP timer,RTC,SysTick	1	13	-	-	30	-	1	1	-	1	1	-	-	-	true
STM32WB15CC	320	48	3	1	Dual Watchdog,LP timer,RTC,SysTick	1	13	-	1	25,30,37	-	1	1	-	1	1	-	-	-	true
STM32WB1MMC	320	48	3	1	Dual Watchdog,IR timer,RTC,SysTick	1	13	-	1	27	-	1	1	-	1	1	-	-	-	true
STM32WB30CE	512	96	3	1	Dual Watchdog,LP timer,RTC,SysTick	1	13	-	-	30	-	1	1	-	1	-	-	-	-	true
STM32WB35CC	256	96	5	1	Dual Watchdog,LP timer,RTC,SysTick	1	13	-	2	30	-	2	2	-	1	1	-	Quad SPI	USB FS	true
STM32WB35CE	512	96	5	1	Dual Watchdog,LP timer,RTC,SysTick	1	13	-	2	30	-	2	2	-	1	1	-	Quad SPI	USB FS	true
STM32WB50CG	1024	128	5	1	Dual Watchdog,LP timer,RTC,SysTick	1	13	-	-	30	-	1	1	-	1	-	-	-	-	true
STM32WB55CC	256	128	5	1	Dual Watchdog,LP timer,RTC,SysTick	1	13	-	2	30	Segment LCD	2	1	-	1	1	SAI	Quad SPI	USB FS	true
STM32WB55CE	512	256	5	1	Dual Watchdog,LP timer,RTC,SysTick	1	13	-	2	30	Segment LCD	2	1	-	1	1	SAI	Quad SPI	USB FS	true
STM32WB55CG	1024	256	5	1	Dual Watchdog,LP timer,RTC,SysTick	1	13	-	2	30	Segment LCD	2	1	-	1	1	SAI	Quad SPI	USB FS	true
STM32WB55RC	256	128	5	1	Dual Watchdog,LP timer,RTC,SysTick	1	19	-	2	49	Segment LCD	2	2	-	1	1	SAI	Quad SPI	USB FS	true
STM32WB55RE	512	256	5	1	Dual Watchdog,LP timer,RTC,SysTick	1	19	-	2	49	Segment LCD	2	2	-	1	1	SAI	Quad SPI	USB FS	true
STM32WB55RG	1024	256	5	1	Dual Watchdog,LP timer,RTC,SysTick	1	19	-	2	49	Segment LCD	2	2	-	1	1	SAI	Quad SPI	USB FS	true
STM32WB55VC	256	128	3,5	1	Dual Watchdog,RTC,SysTick	1	19	-	2	72	Segment LCD	2	2	-	1	1	SAI	Quad SPI	USB FS	true
STM32WB55VE	512	256	3,5	1	Dual Watchdog,RTC,SysTick	1	19	-	2	72	Segment LCD	2	2	-	1	1	SAI	Quad SPI	USB FS	true
STM32WB55VG	1024	256	5	1	Dual Watchdog,RTC,SysTick	1	19	-	2	72	Segment LCD	2	2	-	1	1	SAI	Quad SPI	USB FS	true
STM32WB55VY	640	256	5	1	Dual Watchdog,RTC,SysTick	1	19	-	2	72	Segment LCD	2	2	-	1	1	SAI	Quad SPI	USB FS	true
STM32WB5MMG	1024	256	5	1	Dual Watchdog,LP timer,SysTick	1	19	-	2	68	Segment LCD	2	2	-	1	1	SAI	Quad SPI	USB FS	true
STM32WBA52CE	512	96	6	1	Dual Watchdog,IR timer,RTC,SysTick	1	9	-	-	36	-	2	2	-	2	1	-	-	-	true
STM32WBA52CG	1024	128	6	1	Dual Watchdog,IR timer,RTC,SysTick	1	9	-	-	35,36	-	2	2	-	2	1	-	-	-	true
STM32WL54CC	256	64	3	1	LP timer,RTC	1	12	1	2	29	-	3	2	1	2	1	-	-	-	true
STM32WL54JC	256	64	3	1	LP timer,RTC	1	12	1	2	43	-	3	2	1	2	1	-	-	-	true
STM32WL55CC	256	64	3	1	LP timer,RTC	1	12	1	2	29	-	3	2	1	2	1	-	-	-	true
STM32WL55JC	256	64	3	1	LP timer,RTC	1	12	1	2	43	-	3	2	1	2	1	-	-	-	true
STM32WLE4C8	64	20	3	1	LP timer,RTC	1	12	1	2	29	-	3	2	1	2	1	-	-	-	true
STM32WLE4CB	128	48	3	1	LP timer,RTC	1	12	1	2	29	-	3	2	1	2	1	-	-	-	true
STM32WLE4CC	256	64	3	1	LP timer,RTC	1	12	1	2	29	-	3	2	1	2	1	-	-	-	true
STM32WLE4J8	64	20	3	1	LP timer,RTC	1	12	1	2	43	-	3	2	1	2	1	-	-	-	true
STM32WLE4JB	128	48	3	1	LP timer,RTC	1	12	1	2	43	-	3	2	1	2	1	-	-	-	true
STM32WLE4JC	256	64	3	1	LP timer,RTC	1	12	1	2	43	-	3	2	1	2	1	-	-	-	true
STM32WLE5C8	64	20	3	1	LP timer,RTC	1	12	1	2	29	-	3	2	1	2	1	-	-	-	true
STM32WLE5CB	128	48	3	1	LP timer,RTC	1	12	1	2	29	-	3	2	1	2	1	-	-	-	true
STM32WLE5CC	256	64	3	1	LP timer,RTC	1	12	1	2	29	-	3	2	1	2	1	-	-	-	true
STM32WLE5J8	64	20	3	1	LP timer,RTC	1	12	1	2	43	-	3	2	1	2	1	-	-	-	true
STM32WLE5JB	128	48	3	1	LP timer,RTC	1	12	1	2	43	-	3	2	1	2	1	-	-	-	true
STM32WLE5JC	256	64	3	1	LP timer,RTC	1	12	1	2	43	-	3	2	1	2	1	-	-	-	true

Part Number	Cryptography	Security Functions	SMPS	Supply Voltage (V) min	Supply Voltage (V) max	Supply Current (µA) (@ Lowest Power) typ	Supply Current (µA) (Run Mode (per MHz)) typ	Operating Temperature (°C) min	Operating Temperature (°C) max	Output Power (dBm) min	Output Power (dBm) max	RX current (mA) typ	RX sensitivity (dBm) typ	Standby Current (µA) typ	TX current (mA) (@ 0dBm) max	Output Power (dBm) (Step) typ	Connectivity supported
STM32WB10CC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Bypass	2	3.6	0.6	90	-10	85	-20	4	7.7	-96	-	8.7	1	2.4GHz,BLE 5.2
STM32WB15CC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.6	90	-40	105,85	-20	6	4.5	-96	0.6	5.2	1	2.4GHz,BLE 5.2
STM32WB1MMC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.012	33	-40	85	-	-	-	-	-	-	-	2.4GHz,BLE 5.2
STM32WB30CE	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Bypass	2	3.6	0.6	90	-10	85	-20	4	7.9	-100	0.7	8.8	1	2.4GHz,BLE 5.2,Thread/OpenThread,Zigbee
STM32WB35CC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.6	82	-40	105,85	-20	6	4.5	-100	0.6	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread,Zigbee
STM32WB35CE	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.6	82	-40	85	-20	6	4.5	-100	0.6	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread,Zigbee
STM32WB50CG	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Bypass	2	3.6	0.04	90	-10	85	-20	4	7.9	-100	0.7	8.8	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread,Zigbee
STM32WB55CC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.04	90	-40	105,85	-20	6	4.5	-100	0.6	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread,Zigbee
STM32WB55CE	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.04	90	-40	105,85	-20	6	4.5	-100	0.6	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread,Zigbee
STM32WB55CG	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.04	90	-40	105,85	-20	6	4.5	-100	0.6	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread,Zigbee
STM32WB55RC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.04	90	-40	105,85	-20	6	4.5	-100	0.6	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread,Zigbee
STM32WB55RE	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.04	90	-40	105,85	-20	6	4.5	-100	0.6	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread
STM32WB55RG	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.04	90	-40	105,85	-20	6	4.5	-100	0.6	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread
STM32WB55VC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.04	90	-40	105,85	-20	6	4.5	-100	0.6	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread,Zigbee
STM32WB55VE	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.04	90	-40	105,85	-20	6	4.5	-100	0.6	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread,Zigbee
STM32WB55VG	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.04	90	-40	105,85	-20	6	4.5	-100	0.6	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread,Zigbee
STM32WB55VY	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.04	90	-40	85	-20	6	4.5	-100	0.6	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread,Zigbee
STM32WB5MMG	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Crypto Engine,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.71	3.6	0.04	90	-40	85	-20	6	4.5	-100	0.25	5.2	1	2.4GHz,802.15.4,BLE 5.2,Thread/OpenThread,Zigbee
STM32WBA52CE	AES,S-AES,S-ECC,S-RSA,SHA-1,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	-	-	-40	85	-	-	-	-	-	-	-	2.4GHz,BLE 5.2
STM32WBA52CG	AES,S-AES,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-	1.71	3.6	-	-	-40	105,85	-	-	-	-	-	-	-	2.4GHz
STM32WL54CC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	105,85	-16	22	4.82	-148	0.071	9.2	1	2FSK,2GFSK,BPSK,GMSK,SigFox,Sub-GHz
STM32WL54JC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	105,85	-16	22	4.82	-148	0.071	9.2	1	2FSK,2GFSK,BPSK,GMSK,SigFox,Sub-GHz
STM32WL55CC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	105,85	-16	22	4.82	-148	0.071	9.2	1	2FSK,2GFSK,BPSK,GMSK,LoRa,SigFox,Sub-GHz
STM32WL55JC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	105,85	-16	22	4.82	-148	0.071	9.2	1	2GFSK,BPSK,GMSK,LoRa,SigFox,Sub-GHz
STM32WLE4C8	AES,ECC,RSA,TRNG	Application Lifecycle,Crypto Engine,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	85	-16	22	4.82	-148	0.071	9.2	1	2GFSK,BPSK,GMSK,LoRa,SigFox,Sub-GHz
STM32WLE4CB	AES,ECC,RSA,TRNG	Application Lifecycle,Crypto Engine,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	85	-16	22	4.82	-148	0.071	9.1	1	2GFSK,BPSK,GMSK,LoRa,SigFox,Sub-GHz
STM32WLE4CC	AES,ECC,RSA,TRNG	Application Lifecycle,Crypto Engine,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	105,85	-16	22	4.82	-148	0.071	9.2	1	2FSK,2GFSK,BPSK,GMSK,SigFox,Sub-GHz
STM32WLE4J8	AES,ECC,RSA,TRNG	Application Lifecycle,Crypto Engine,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	85	-16	22	4.82	-148	0.071	9.2	1	2GFSK,BPSK,GMSK,LoRa,SigFox,Sub-GHz
STM32WLE4JB	AES,ECC,RSA,TRNG	Application Lifecycle,Crypto Engine,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	85	-16	22	4.82	-148	0.071	9.2	1	2GFSK,BPSK,GMSK,LoRa,SigFox,Sub-GHz
STM32WLE4JC	AES,ECC,RSA,TRNG	Application Lifecycle,Crypto Engine,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	105,85	-16	22	4.82	-148	0.071	9.2	1	2FSK,2GFSK,BPSK,GMSK,SigFox,Sub-GHz
STM32WLE5C8	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	85	-16	22	4.82	-148	0.071	9.2	1	2GFSK,BPSK,GMSK,LoRa,SigFox,Sub-GHz
STM32WLE5CB	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	85	-16	22	4.82	-148	0.071	9.2	1	2GFSK,BPSK,GMSK,LoRa,SigFox,Sub-GHz
STM32WLE5CC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	105,85	-16	22	4.82	-148	0.071	9.2	1	2GFSK,BPSK,GMSK,LoRa,SigFox,Sub-GHz
STM32WLE5J8	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	85	-16	22	4.82	-148	0.071	9.2	1	2GFSK,BPSK,GMSK,LoRa,SigFox,Sub-GHz
STM32WLE5JB	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	85	-16	22	4.82	-148	0.071	9.2	1	2GFSK,BPSK,GMSK,LoRa,SigFox,Sub-GHz
STM32WLE5JC	AES,ECC,RSA,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	Internal	1.8	3.6	0.031	71	-40	105,85	-16	22	4.82	-148	0.071	9.2	1	2GFSK,BPSK,GMSK,LoRa,SigFox,Sub-GHz

STM32 Arm Cortex MPUs

Overview

Industrial-grade microprocessors

Complex embedded systems in industrial and consumer applications manage high processing loads in real time, while providing with rich human machine interfaces (HMIs) and optimizing power consumption.

The STM32 family of general-purpose 32-bit microprocessors (MPUs) provides developers with greater design flexibility and performance. STM32 microprocessors are based on single or dual Arm® Cortex®-A cores, combined with a Cortex®-M core. From cost-effective, single-core MPUs to more advanced, multicore MPUs, ST offers a scalable approach to help developers find the right fit.

A strong, user-friendly ecosystem

STM32 microprocessors leverage the proven software, tools, and technical support provided by the STM32 family ecosystem.

- They come with the OpenSTLinux Distribution, which is a mainlined open-source Linux distribution. It contains all the essential building blocks for running software on microprocessor cores.
  - OpenSTLinux is reviewed and accepted by the Linux community (Linux Foundation, Yocto Project, and Linaro).
  - It is preintegrated within the OP-TEE secure OS.
  - OpenSTLinux is provided with Microsoft Azure RTOS components, enabling real-time performance.
- Evaluation boards and discovery kits are available to accelerate development.

STM32 MPUs are pin-to-pin compatible within each product line, allowing developers to reuse software seamlessly and migrate IPs from project to project. The packages are compatible with low-cost PCB technologies (down to 4-layer plated-through hole PCBs) and can be combined with a dedicated power management IC (PMIC).

STM32 microprocessors are included in ST's 10-year longevity commitment program. They are available at distributors worldwide.

Find everything you need for your MPU development. Visit the STM32 MPU Developer Zone.

Ask questions and get help in the ST Community.

Resources and guides to jump-start your MPU development.

Applications

The STM32 MPUs are designed for Industry 4.0, smart homes, and smart cities.

Industrial

Factory Automation/PLC
Industrial control
Industrial HMI
Industrial gateways
Robotics

Retail

Payment terminals
Pin pads
Cash registers
Barcode/QR Code readers
Label/Tag/Fiscal printers

Smart homes

Smart thermostats
Smart homes Gateway
White goods
Video doorbells

Infrastructure

Metering
Data concentrators Power grids
EV charging infrastructures

Embedded security

Access control
Alarm/Security control panels

Medical and healthcare

Portable medical devices
Patient Monitoring
Patient diagnostic devices
Ultrasound imaging devices

Others

Conferencing Room equipment
Asset tracking
Vehicle on-board diagnostics

Machine learning

Image classification
Object detection
Segmentation
Predictive maintenance
Advanced voice control
Posture recognition
People counting

Internet-of-Things (IoT) and edge computing

Edge computing
Edge processing
Industrial gateways
Programmable logic controllers

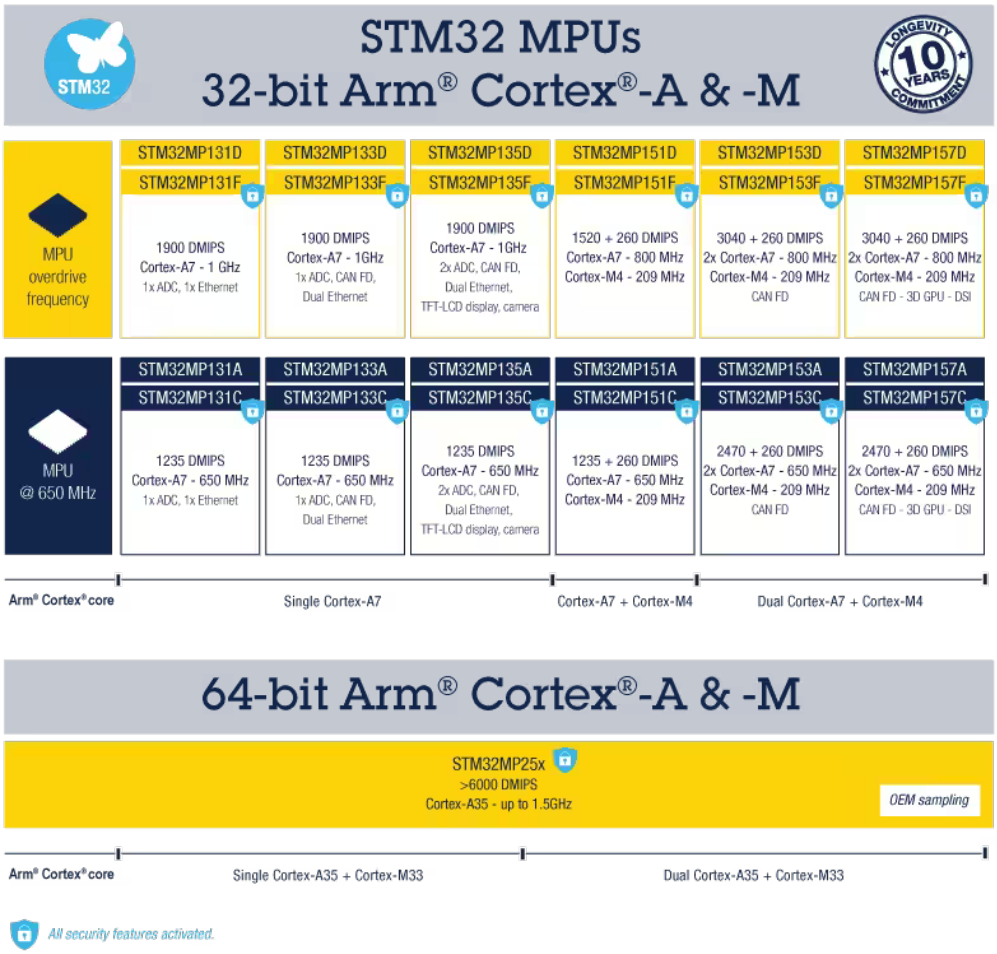
Product types:

STM32MP1 series	32-bit microprocessors based on single or dual Arm® Cortex®-A7 cores and an Cortex®-M4 core (optional) A general-purpose microprocessor portfolio that makes MPU development more accessible. This series enables a wide range of entry-level MPU applications, reaching an optimal cost/performance trade-off.

STM32MP2 samples available in Q4 2023:

STM32MP2 series	64-bit microprocessors based on a dual Arm® Cortex®-A35 and a single Cortex®-M33 cores A general-purpose microprocessor portfolio for secure Industry 4.0 and edge computing applications that require advanced multimedia capabilities. Several products embed a neural processing unit.

Discover our portfolio



Benefits

- Mainlined open-source Linux distribution with Android support available via partners
- STM32Cube firmware and embedded software libraries
- An optional Neural Processing Unit (NPU) enabling AI/ML edge processing
- An optional 3D graphics processing unit (GPU) provides for advanced HMI development
- Wide range of wired and wireless connectivity interfaces
- Rich set of digital and analog peripherals
- Advanced security features
- Optimized bill of materials (BOM) thanks to: High integration, packages compatible with low-cost PCB technologies (down to 4-layer plated-through hole (PTH) PCBs) and dedicated Power Management IC (PMIC)
- Advanced tools from ST and Partners
- Best-in-class local and online support
- Worldwide distribution channels
- Rolling 10-year longevity commitment renewed every year

Microcontrollers & Microprocessors/STM32 Arm Cortex MPUs

Part Number	General Description	Package	Core	Number of Cores nom	Operating Frequency (MHz)	FPU	Co-Processor type	Co-Processor frequency (MHz) max	DRAM support typ	Flash Support typ	L1 Cache (kB) typ	L2 Cache (kB) typ	On-chip SRAM (kB) typ	Display controller	Graphic accelerator	Ethernet	Ethernet ports typ	USB 2.0 typ	CAN (2.0)	I2C typ	I2S typ	SPI typ	UART typ	USART typ	Additional Interfaces	External Memory Interfaces	A/D Converters 16-bit		A/D Converters 12-bit		D/A Converters (12-bit) typ	Timers (16-bit) typ	Timers (32-bit) typ	Other timer functions	I/Os (High Current)	Secure Boot spec	Cryptography	Security Functions	Junction Temperature (°C) min	Junction Temperature (°C) max	Supply Voltage (V) min	Supply Voltage (V) max
																											Number of A/D Converters typ	Number of Channels typ	Number of A/D Converters typ	Number of Channels typ												
STM32MP131A	32-bit Arm Cortex-A7 650MHz MPU	LFBGA 14X14 289L PITCH 0.8 MM,TFBGA 11X11 320L PITCH 0.5 MM,TFBGA 9X9 289L PITCH 0.5 MM	Arm Cortex-A7	1	650	Double-precision FPU,Single-precision FPU	-	-	DDR3(L)/LPDDR2/LPDDR3 16-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	128	168	-	-	1Gbps (IEEE 1588)	1	2	-	5	4	5	4	4	DFSDM,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	-	-	1	18	-	17	2	AWU,IWDG,RTC	135	false	SHA-1,SHA-2,SHA-3,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation Dual Core,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-40	125	1.71	3.6
STM32MP131C	32-bit Arm Cortex-A7 650MHz MPU for Security	LFBGA 14X14 289L PITCH 0.8 MM,TFBGA 11X11 320L PITCH 0.5 MM,TFBGA 9X9 289L PITCH 0.5 MM	Arm Cortex-A7	1	650	Double-precision FPU,Single-precision FPU	-	-	DDR3(L)/LPDDR2/LPDDR3 16-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	128	168	-	-	1Gbps (IEEE 1588)	1	2	-	5	4	5	4	4	DFSDM,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	-	-	1	18	-	17	2	AWU,IWDG,RTC	135	true	AES,DDR ENC/DEC,DES/TDES,ECC,OTF ENC/DEC,S-AES,S-ECC,S-RSA,SHA-1,SHA-2,SHA-3,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-40	125	1.71	3.6
STM32MP131D	32-bit Arm Cortex-A7 1GHz MPU	LFBGA 14X14 289L PITCH 0.8 MM,TFBGA 11X11 320L PITCH 0.5 MM,TFBGA 9X9 289L PITCH 0.5 MM	Arm Cortex-A7	1	1000	Double-precision FPU,Single-precision FPU	-	-	DDR3(L)/LPDDR2/LPDDR3 16-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	128	168	-	-	1Gbps (IEEE 1588)	1	2	-	5	4	5	4	4	DFSDM,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	-	-	1	18	-	17	2	AWU,IWDG,RTC	135	false	SHA-1,SHA-2,SHA-3,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation Dual Core,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-40	105	1.71	3.6
STM32MP131F	32-bit Arm Cortex-A7 1GHz MPU for Security	LFBGA 14X14 289L PITCH 0.8 MM,TFBGA 11X11 320L PITCH 0.5 MM,TFBGA 9X9 289L PITCH 0.5 MM	Arm Cortex-A7	1	1000	Double-precision FPU,Single-precision FPU	-	-	DDR3(L)/LPDDR2/LPDDR3 16-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	128	168	-	-	1Gbps (IEEE 1588)	1	2	-	5	4	5	4	4	DFSDM,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	-	-	1	18	-	17	2	AWU,IWDG,RTC	135	true	AES,DDR ENC/DEC,DES/TDES,ECC,OTF ENC/DEC,S-AES,S-ECC,S-RSA,SHA-1,SHA-2,SHA-3,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-40	105	1.71	3.6
STM32MP133A	32-bit Arm Cortex-A7 650MHz MPU for Industrial	LFBGA 14X14 289L PITCH 0.8 MM,TFBGA 11X11 320L PITCH 0.5 MM,TFBGA 9X9 289L PITCH 0.5 MM	Arm Cortex-A7	1	650	Double-precision FPU,Single-precision FPU	-	-	DDR3(L)/LPDDR2/LPDDR3 16-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	128	168	-	-	1Gbps (IEEE 1588)	2	2	2	5	4	5	4	4	DFSDM,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	-	-	2	18	-	17	2	AWU,IWDG,RTC	135	false	SHA-1,SHA-2,SHA-3,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation Dual Core,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-40	125	1.71	3.6
STM32MP133C	32-bit Arm Cortex-A7 650MHz MPU for Industrial and Security	LFBGA 14X14 289L PITCH 0.8 MM,TFBGA 11X11 320L PITCH 0.5 MM,TFBGA 9X9 289L PITCH 0.5 MM	Arm Cortex-A7	1	650	Double-precision FPU,Single-precision FPU	-	-	DDR3(L)/LPDDR2/LPDDR3 16-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	128	168	-	-	1Gbps (IEEE 1588)	2	2	2	5	4	5	4	4	DFSDM,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	-	-	2	18	-	17	2	AWU,IWDG,RTC	135	true	AES,DDR ENC/DEC,DES/TDES,ECC,OTF ENC/DEC,S-AES,S-ECC,S-RSA,SHA-1,SHA-2,SHA-3,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-40	125	1.71	3.6
STM32MP133D	32-bit Arm Cortex-A7 1GHz MPU	LFBGA 14X14 289L PITCH 0.8 MM,TFBGA 11X11 320L PITCH 0.5 MM,TFBGA 9X9 289L PITCH 0.5 MM	Arm Cortex-A7	1	1000	Double-precision FPU,Single-precision FPU	-	-	DDR3(L)/LPDDR2/LPDDR3 16-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	128	168	-	-	1Gbps (IEEE 1588)	2	2	2	5	4	5	4	4	DFSDM,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	-	-	2	18	-	17	2	AWU,IWDG,RTC	135	false	SHA-1,SHA-2,SHA-3,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation Dual Core,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-40	105	1.71	3.6
STM32MP133F	32-bit Arm Cortex-A7 1GHz MPU for Security	LFBGA 14X14 289L PITCH 0.8 MM,TFBGA 11X11 320L PITCH 0.5 MM,TFBGA 9X9 289L PITCH 0.5 MM	Arm Cortex-A7	1	1000	Double-precision FPU,Single-precision FPU	-	-	DDR3(L)/LPDDR2/LPDDR3 16-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	128	168	-	-	1Gbps (IEEE 1588)	2	2	2	5	4	5	4	4	DFSDM,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	-	-	2	18	-	17	2	AWU,IWDG,RTC	135	true	AES,DDR ENC/DEC,DES/TDES,ECC,OTF ENC/DEC,S-AES,S-ECC,S-RSA,SHA-1,SHA-2,SHA-3,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-40	105	1.71	3.6
STM32MP135A	32-bit Arm Cortex-A7 650MHz MPU for Industrial and Graphics	LFBGA 14X14 289L PITCH 0.8 MM,TFBGA 11X11 320L PITCH 0.5 MM,TFBGA 9X9 289L PITCH 0.5 MM	Arm Cortex-A7	1	650	Double-precision FPU,Single-precision FPU	-	-	DDR3(L)/LPDDR2/LPDDR3 16-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	128	168	LCD parallel Interface	-	1Gbps (IEEE 1588)	2	2	2	5	4	5	4	4	Camera Interface,DFSDM,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	-	-	2	18	-	17	2	AWU,IWDG,RTC	135	false	SHA-1,SHA-2,SHA-3,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation Dual Core,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-40	125	1.71	3.6
STM32MP135C	32-bit Arm Cortex-A7 650MHz MPU for Industrial, Graphics and Security	LFBGA 14X14 289L PITCH 0.8 MM,TFBGA 11X11 320L PITCH 0.5 MM,TFBGA 9X9 289L PITCH 0.5 MM	Arm Cortex-A7	1	650	Double-precision FPU,Single-precision FPU	-	-	DDR3(L)/LPDDR2/LPDDR3 16-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	128	168	LCD parallel Interface	-	1Gbps (IEEE 1588)	2	2	2	5	4	5	4	4	Camera Interface,DFSDM,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	-	-	2	18	-	17	2	AWU,IWDG,RTC	135	true	AES,DDR ENC/DEC,DES/TDES,ECC,OTF ENC/DEC,S-AES,S-ECC,S-RSA,SHA-1,SHA-2,SHA-3,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-40	125	1.71	3.6
STM32MP135D	32-bit Arm Cortex-A7 1GHz MPU for Graphics	LFBGA 14X14 289L PITCH 0.8 MM,TFBGA 11X11 320L PITCH 0.5 MM,TFBGA 9X9 289L PITCH 0.5 MM	Arm Cortex-A7	1	1000	Double-precision FPU,Single-precision FPU	-	-	DDR3(L)/LPDDR2/LPDDR3 16-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	128	168	LCD parallel Interface	-	1Gbps (IEEE 1588)	2	2	2	5	4	5	4	4	Camera Interface,DFSDM,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	-	-	2	18	-	17	2	AWU,IWDG,RTC	135	false	SHA-1,SHA-2,SHA-3,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation Dual Core,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-40	105	1.71	3.6
STM32MP135F	32-bit Arm Cortex-A7 1GHz MPU for Graphics and Security	LFBGA 14X14 289L PITCH 0.8 MM,TFBGA 11X11 320L PITCH 0.5 MM,TFBGA 9X9 289L PITCH 0.5 MM	Arm Cortex-A7	1	1000	Double-precision FPU,Single-precision FPU	-	-	DDR3(L)/LPDDR2/LPDDR3 16-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	128	168	LCD parallel Interface	-	1Gbps (IEEE 1588)	2	2	2	5	4	5	4	4	Camera Interface,DFSDM,S/PDIF,SAI,SD/MMC	Dual Quad SPI,FMC	-	-	2	18	-	17	2	AWU,IWDG,RTC	135	true	AES,DDR ENC/DEC,DES/TDES,ECC,OTF ENC/DEC,S-AES,S-ECC,S-RSA,SHA-1,SHA-2,SHA-3,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device Lifecycle,Software IP Protection	-40	105	1.71	3.6
STM32MP151A	MPU with Arm Cortex-A7 650 MHz, Arm Cortex-M4 real-time coprocessor, TFT display	LFBGA 354 16x16x1.7 P 0.8 mm,LFBGA 448 18x18x1.7 P 0.8 mm,TFBGA 257 10x10x1.2 P 0.5 mm,TFBGA 361 12x12x1.2 P 0.5 mm	Arm Cortex-A7	1	650	Double-precision FPU,Single-precision FPU	Arm Cortex-M4	209	DDR3(L)/LPDDR2/LPDDR3 16-bit,DDR3(L)/LPDDR2/LPDDR3 16/32-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	256	708	LCD parallel Interface	-	100Mbps (IEEE 1588),1Gbps (IEEE 1588)	1	3	-	6	3	6	4	4	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	FMC,Quad SPI	2	17,22	-	-	2	17	2	AWU,IWDG,RTC,WWDG	148,176,98	false	MD5,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation Dual Core,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-40	125	1.71	3.6
STM32MP151C	MPU with Arm Cortex-A7 650 MHz, Arm Cortex-M4 real-time coprocessor, TFT display, Secure boot and Cryptography	LFBGA 354 16x16x1.7 P 0.8 mm,LFBGA 448 18x18x1.7 P 0.8 mm,TFBGA 257 10x10x1.2 P 0.5 mm,TFBGA 361 12x12x1.2 P 0.5 mm	Arm Cortex-A7	1	650	Double-precision FPU,Single-precision FPU	Arm Cortex-M4	209	DDR3(L)/LPDDR2/LPDDR3 16-bit,DDR3(L)/LPDDR2/LPDDR3 16/32-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	256	708	LCD parallel Interface	-	100Mbps (IEEE 1588),1Gbps (IEEE 1588)	1	3	-	6	3	6	4	4	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	FMC,Quad SPI	2	17,22	-	-	2	17	2	AWU,IWDG,RTC,WWDG	148,176,98	true	AES,DES/TDES,MD5,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-40	125	1.71	3.6
STM32MP151D	MPU with Arm Cortex-A7 800 MHz, Arm Cortex-M4 real-time	LFBGA 354 16x16x1.7 P 0.8 mm,LFBGA 448 18x18x1.7 P 0.8 mm,TFBGA 257 10x10x1.2 P 0.5 mm,TFBGA 361 12x12x1.2 P 0.5 mm	Arm Cortex-A7	1	800	Double-precision FPU,Single-precision FPU	Arm Cortex-M4	209	DDR3(L)/LPDDR2/LPDDR3 16-bit,DDR3(L)/LPDDR2/LPDDR3 16/32-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	256	708	LCD parallel Interface	-	100Mbps (IEEE 1588),1Gbps (IEEE 1588)	1	3	-	6	3	6	4	4	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	FMC,Quad SPI	2	17,22	-	-	2	17	2	AWU,IWDG,RTC,WWDG	148,176,98	false	MD5,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation Dual Core,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-20	105	1.71	3.6
STM32MP151F	MPU with Arm Cortex-A7 800 MHz, Arm Cortex-M4 real-time coprocessor, TFT display, Secure boot and Cryptography	LFBGA 354 16x16x1.7 P 0.8 mm,LFBGA 448 18x18x1.7 P 0.8 mm,TFBGA 257 10x10x1.2 P 0.5 mm,TFBGA 361 12x12x1.2 P 0.5 mm	Arm Cortex-A7	1	800	Double-precision FPU,Single-precision FPU	Arm Cortex-M4	209	DDR3(L)/LPDDR2/LPDDR3 16-bit,DDR3(L)/LPDDR2/LPDDR3 16/32-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	256	708	LCD parallel Interface	-	100Mbps (IEEE 1588),1Gbps (IEEE 1588)	1	3	-	6	3	6	4	4	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	FMC,Quad SPI	2	17,22	-	-	2	17	2	AWU,IWDG,RTC,WWDG	148,176,98	true	AES,DES/TDES,MD5,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-20	105	1.71	3.6
STM32MP153A	MPU with Arm Dual Cortex-A7 650 MHz, Arm Cortex-M4 real-time coprocessor, TFT display, FD-CAN	LFBGA 354 16x16x1.7 P 0.8 mm,LFBGA 448 18x18x1.7 P 0.8 mm,TFBGA 257 10x10x1.2 P 0.5 mm,TFBGA 361 12x12x1.2 P 0.5 mm	Arm Cortex-A7	2	650	Double-precision FPU,Single-precision FPU	Arm Cortex-M4	209	DDR3(L)/LPDDR2/LPDDR3 16-bit,DDR3(L)/LPDDR2/LPDDR3 16/32-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	256	708	LCD parallel Interface	-	100Mbps (IEEE 1588),1Gbps (IEEE 1588)	1	3	2	6	3	6	4	4	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	FMC,Quad SPI	2	17,22	-	-	2	12	2	AWU,IWDG,RTC,WWDG	148,176,98	false	MD5,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation Dual Core,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-40	125	1.71	3.6
STM32MP153C	MPU with Arm Dual Cortex-A7 650 MHz, Arm Cortex-M4 real-time coprocessor, TFT display, FD-CAN, Secure boot and Cryptography	LFBGA 354 16x16x1.7 P 0.8 mm,LFBGA 448 18x18x1.7 P 0.8 mm,TFBGA 257 10x10x1.2 P 0.5 mm,TFBGA 361 12x12x1.2 P 0.5 mm	Arm Cortex-A7	2	650	Double-precision FPU,Single-precision FPU	Arm Cortex-M4	209	DDR3(L)/LPDDR2/LPDDR3 16-bit,DDR3(L)/LPDDR2/LPDDR3 16/32-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	256	708	LCD parallel Interface	-	100Mbps (IEEE 1588),1Gbps (IEEE 1588)	1	3	2	6	3	6	4	4	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	FMC,Quad SPI	2	17,22	-	-	2	12	2	AWU,IWDG,RTC,WWDG	148,176,98	true	AES,DES/TDES,MD5,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-40	125	1.71	3.6
STM32MP153D	MPU with Arm Dual Cortex-A7 800 MHz, Arm Cortex-M4 real-time coprocessor, TFT display, FD-CAN, Secure boot	LFBGA 354 16x16x1.7 P 0.8 mm,LFBGA 448 18x18x1.7 P 0.8 mm,TFBGA 257 10x10x1.2 P 0.5 mm,TFBGA 361 12x12x1.2 P 0.5 mm	Arm Cortex-A7	2	800	Double-precision FPU,Single-precision FPU	Arm Cortex-M4	209	DDR3(L)/LPDDR2/LPDDR3 16-bit,DDR3(L)/LPDDR2/LPDDR3 16/32-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	256	708	LCD parallel Interface	-	100Mbps (IEEE 1588),1Gbps (IEEE 1588)	1	3	2	6	3	6	4	4	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	FMC,Quad SPI	2	17,22	-	-	2	17	2	AWU,IWDG,RTC,WWDG	148,176,98	false	MD5,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation Dual Core,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-20	105	1.71	3.6
STM32MP153F	MPU with Arm Dual Cortex-A7 800 MHz, Arm Cortex-M4 real-time coprocessor, TFT display, FD-CAN, Secure boot and Cryptography	LFBGA 354 16x16x1.7 P 0.8 mm,LFBGA 448 18x18x1.7 P 0.8 mm,TFBGA 257 10x10x1.2 P 0.5 mm,TFBGA 361 12x12x1.2 P 0.5 mm	Arm Cortex-A7	2	800	Double-precision FPU,Single-precision FPU	Arm Cortex-M4	209	DDR3(L)/LPDDR2/LPDDR3 16-bit,DDR3(L)/LPDDR2/LPDDR3 16/32-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	256	708	LCD parallel Interface	-	100Mbps (IEEE 1588),1Gbps (IEEE 1588)	1	3	2	6	3	6	4	4	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	FMC,Quad SPI	2	17,22	-	-	2	17	2	AWU,IWDG,RTC,WWDG	148,176,98	true	AES,DES/TDES,MD5,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-20	105	1.71	3.6
STM32MP157A	MPU with Arm Dual Cortex-A7 650 MHz, Arm Cortex-M4 real-time coprocessor, 3D GPU, TFT/MIPI DSI displays, FD-CAN	LFBGA 354 16x16x1.7 P 0.8 mm,LFBGA 448 18x18x1.7 P 0.8 mm,TFBGA 257 10x10x1.2 P 0.5 mm,TFBGA 361 12x12x1.2 P 0.5 mm	Arm Cortex-A7	2	650	Double-precision FPU,Single-precision FPU	Arm Cortex-M4	209	DDR3(L)/LPDDR2/LPDDR3 16-bit,DDR3(L)/LPDDR2/LPDDR3 16/32-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	256	708	LCD parallel Interface,MIPI DSI	3D	100Mbps (IEEE 1588),1Gbps (IEEE 1588)	1	3	2	6	3	6	4	4	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	FMC,Quad SPI	2	17,22	-	-	2	17	2	AWU,IWDG,RTC,WWDG	148,176,98	false	MD5,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation Dual Core,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-40	125	1.71	3.6
STM32MP157C	MPU with Arm Dual Cortex-A7 650 MHz, Arm Cortex-M4 real-time coprocessor, 3D GPU, TFT/MIPI DSI displays, FD-CAN, Secure boot and Cryptography	LFBGA 354 16x16x1.7 P 0.8 mm,LFBGA 448 18x18x1.7 P 0.8 mm,TFBGA 257 10x10x1.2 P 0.5 mm,TFBGA 361 12x12x1.2 P 0.5 mm	Arm Cortex-A7	2	650	Double-precision FPU,Single-precision FPU	Arm Cortex-M4	209	DDR3(L)/LPDDR2/LPDDR3 16-bit,DDR3(L)/LPDDR2/LPDDR3 16/32-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	256	708	LCD parallel Interface,MIPI DSI	3D	100Mbps (IEEE 1588),1Gbps (IEEE 1588)	1	3	2	6	3	6	4	4	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	FMC,Quad SPI	2	17,22	-	-	2	17	2	AWU,IWDG,RTC,WWDG	148,176,98	true	AES,DES/TDES,MD5,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-40	125	1.71	3.6
STM32MP157D	MPU with Arm Dual Cortex-A7 800 MHz, Arm Cortex-M4 real-time coprocessor, 3D GPU, TFT/MIPI DSI displays, FD-CAN	LFBGA 354 16x16x1.7 P 0.8 mm,LFBGA 448 18x18x1.7 P 0.8 mm,TFBGA 257 10x10x1.2 P 0.5 mm,TFBGA 361 12x12x1.2 P 0.5 mm	Arm Cortex-A7	2	800	Double-precision FPU,Single-precision FPU	Arm Cortex-M4	209	DDR3(L)/LPDDR2/LPDDR3 16-bit,DDR3(L)/LPDDR2/LPDDR3 16/32-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	256	708	LCD parallel Interface,MIPI DSI	3D	100Mbps (IEEE 1588),1Gbps (IEEE 1588)	1	3	2	6	3	6	4	4	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	FMC,Quad SPI	2	17,22	-	-	2	17	2	AWU,IWDG,RTC,WWDG	148,176,98	false	MD5,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Identification / Authentication / Attestation,Isolation Dual Core,Isolation TrustZone,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-20	105	1.71	3.6
STM32MP157F	MPU with Arm Dual Cortex-A7 800 MHz, Arm Cortex-M4 real-time coprocessor, 3D GPU, TFT/MIPI DSI displays, FD-CAN, Secure boot and Cryptography	LFBGA 354 16x16x1.7 P 0.8 mm,LFBGA 448 18x18x1.7 P 0.8 mm,TFBGA 257 10x10x1.2 P 0.5 mm,TFBGA 361 12x12x1.2 P 0.5 mm	Arm Cortex-A7	2	800	Double-precision FPU,Single-precision FPU	Arm Cortex-M4	209	DDR3(L)/LPDDR2/LPDDR3 16-bit,DDR3(L)/LPDDR2/LPDDR3 16/32-bit	NOR,SD Card,SLC NAND,eMMC	32 + 32	256	708	LCD parallel Interface,MIPI DSI	3D	100Mbps (IEEE 1588),1Gbps (IEEE 1588)	1	3	2	6	3	6	4	4	Camera Interface,DFSDM,HDMI CEC,S/PDIF,SAI,SD/MMC	FMC,Quad SPI	2	17,22	-	-	2	17	2	AWU,IWDG,RTC,WWDG	148,176,98	true	AES,DES/TDES,MD5,SHA-1,SHA-2,TRNG	Abnormal Situation Handling,Application Lifecycle,Audit/Log,Crypto Engine,Identification / Authentication / Attestation,Isolation Dual Core,Secure Boot,Secure Install/Update,Secure Manufacturing,Secure Storage,Silicon Device	-20	105	1.71	3.6

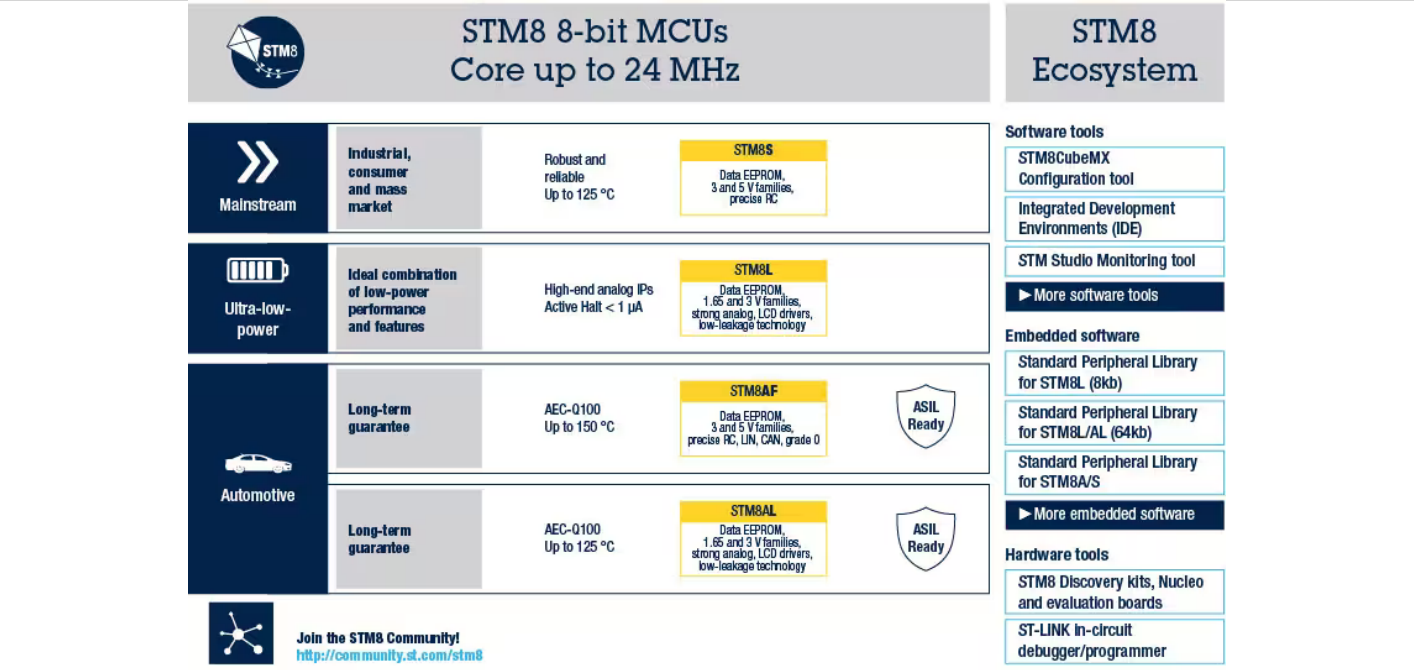
STM8 8-bit MCUs

Overview

ST's **8-bit microcontroller** platform is implemented around a high-performance 8-bit core and a state-of-the-art set of peripherals. This platform is manufactured using an ST-proprietary 130 nm embedded non-volatile memory technology.
The STM8 allows **fast and safe development** through enhanced stack pointer operations, advanced addressing modes and new instructions.

The 8-bit microcontroller platform supports four product series:

- STM8S, mainstream MCUs
- STM8L, ultra-low-power MCUs
- STM8AF and STM8AL, automotive MCUs



STM8 MCUs now available in 8-pin package!

The STM8 Series expands our product portfolio in smaller pin count packages, introducing two part numbers in a SO8 package.

- STM8S001 offers an outstanding set of features with top-notch core processing speed, system control, memory size, communication peripherals, and analog functions.
- STM8L001 targets low-voltage and power-efficient designs, providing minimalist yet essential feature set.
- STM8L050 delivers economy and performance for resource-constrained products.
- STM8-SO8-DISCO lets users evaluate all three STM8 variants currently available in the popular 8-pin SO8 package.

Configure easily your STM8 MCU using our free configuration tool with user-friendly GUI, the STM8CubeMX. Including several intuitive wizards to help significantly reduce development effort, time and cost. STM8CubeMX is available for Windows®, Linux®and macOS® operating systems.

Microcontrollers & Microprocessors/STM8 8-bit MCUs

Part Number	General Description	Package	Operating Frequency (MHz)	Flash Size (kB) (Prog)	RAM Size (kB)	Data EEPROM (B) nom	Timers (8-bit) typ	Timers (16-bit) typ	Other timer functions	Number of A/D Converters (12-bit Channels) typ	D/A Converters (12-bit) typ	Comparator	I/Os (High Current)	I2C typ	CAN (2.0)	SPI typ	USART typ	UART typ	LIN-UART typ	Cryptography	Supply Voltage (V) min	Supply Voltage (V) max	Supply Current (µA) (@ Lowest Power) typ	Supply Current (µA) (Run Mode (per MHz)) typ	Display controller	Operating Temperature (°C) min	Operating Temperature (°C) max	Touch sensing FW library	Number of A/D Converters (10-bit Channels) typ
STM8AF5268	Automotive 8-bit MCU with 32 Kbytes Flash, LIN, CAN, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	24	32	6	1024	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	38	1	1	1	1	1	1	-	3	5.5	5	500	-	-40	125,150,85	-	10
STM8AF5269	Automotive 8-bit MCU with 32 Kbytes Flash, LIN, CAN, 24 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	24	32	6	1024	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	54	1	1	1	1	1	1	-	3	5.5	5	500	-	-40	85	-	16
STM8AF5286	Automotive 8-bit MCU with 64 Kbytes Flash, LIN, CAN, 24 MHz CPU, integrated EEPROM	VFQFPN 32 5x5x1.0 mm	24	64	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	25	1	1	-	1	1	1	-	3	5.5	5	500	-	-40	125,150,85	-	7
STM8AF5288	Automotive 8-bit MCU with 64 Kbytes Flash, LIN, CAN, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	24	64	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	38	1	1	1	1	1	1	-	3	5.5	5	500	-	-40	125,150,85	-	10
STM8AF5289	Automotive 8-bit MCU with 64 Kbytes Flash, LIN, CAN, 24 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	24	64	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	54	1	1	1	1	1	1	-	3	5.5	5	500	-	-40	125,85	-	16
STM8AF528A	Automotive 8-bit MCU with 64 Kbytes Flash, LIN, CAN, 24 MHz CPU, integrated EEPROM	LQFP 80 14x14x1.4 mm	24	64	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	70	1	1	1	1	1	1	-	3	5.5	5	500	-	-40	125,85	-	16
STM8AF52A6	Automotive 8-bit MCU with 128 Kbytes Flash, LIN, CAN, 24 MHz CPU, integrated EEPROM	VFQFPN 32 5x5x1.0 mm	16	128	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	25	1	1	-	1	1	1	-	3	5.5	5	500	-	-40	125	-	7
STM8AF52A8	Automotive 8-bit MCU with 128 Kbytes Flash, LIN, CAN, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	24	128	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	38	1	1	1	1	1	1	-	3	5.5	5	500	-	-40	125,150,85	-	10
STM8AF52A9	Automotive 8-bit MCU with 128 Kbytes Flash, LIN, CAN, 24 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	24	128	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	54	1	1	1	1	1	1	-	3	5.5	5	500	-	-40	125,150,85	-	16
STM8AF52AA	Automotive 8-bit MCU with 128 Kbytes Flash, LIN, CAN, 24 MHz CPU, integrated EEPROM	LQFP 80 14x14x1.4 mm	24	128	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	70	1	1	1	1	1	1	-	3	5.5	5	500	-	-40	125,150,85	-	16
STM8AF6213	Automotive 8-bit MCU with 4 Kbytes Flash, LIN, 16 MHz CPU, integrated EEPROM	TSSOP-20	16	4	1	640	1	1	AWU,Beeper,IWDG,WWDG	-	-	-	16	1	-	1	1	1	1	-	3	5.5	5	125	-	-40	125,150	-	5
STM8AF6213A	Automotive 8-bit MCU with 4 Kbytes Flash, LIN, 16 MHz CPU, integrated EEPROM	TSSOP-20	16	4	1	640	1	2	AWU,Beeper,IWDG,WWDG	-	-	-	16	1	-	1	1	1	1	-	3	5.5	5	2000	-	-40	125	-	7
STM8AF6223	Automotive 8-bit MCU with 8 Kbytes Flash, LIN, 16 MHz CPU, integrated EEPROM	TSSOP-20	16	8	1	640	1	1	AWU,Beeper,IWDG,WWDG	-	-	-	16	1	-	1	1	1	1	-	3	5.5	5	125	-	-40	125,150,85	-	5
STM8AF6223A	Automotive 8-bit MCU with 8 Kbytes Flash, LIN, 16 MHz CPU, integrated EEPROM	TSSOP-20	16	8	1	640	1	2	IWDG,WWDG	-	-	-	16	1	-	1	1	1	1	-	3	5.5	5	125	-	-40	125,150,85	-	7
STM8AF6226	Automotive 8-bit MCU with 8 Kbytes Flash, LIN, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm,VFQFPN 32 5x5x1.0 mm	16	8	1	640	1	2	AWU,Beeper,IWDG,WWDG	-	-	-	28	1	-	1	1	1	1	-	3	5.5	5	125	-	-40	125,150,85	-	7
STM8AF6246	Automotive 8-bit MCU with 16 Kbytes Flash, LIN, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm,VFQFPN 32 5x5x1.0 mm	16	16	2	512	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	25	1	-	1	1	1	1	-	3	5.5	5	430	-	-40	125,150,85	-	7
STM8AF6248	Automotive 8-bit MCU with 16 Kbytes Flash, LIN, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	16	16	2	512	1	3	IWDG,WWDG	-	-	-	38	1	-	1	1	1	1	-	3	5.5	5	430	-	-40	125,150,85	-	10
STM8AF6266	Automotive 8-bit MCU with 32 Kbytes Flash, LIN, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm,VFQFPN 32 5x5x1.0 mm	16	32	2	1024	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	25	1	-	1	1	1	1	-	3	5.5	5	430	-	-40	125,150,85	-	7
STM8AF6268	Automotive 8-bit MCU with 32 Kbytes Flash, LIN, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	16	32	2	1024	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	38	1	-	1	1	1	1	-	3	5.5	5	430	-	-40	125,150,85	-	10
STM8AF6269	Automotive 8-bit MCU with 32 Kbytes Flash, LIN, 16 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	16	32	6	1024	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	54	1	-	1	1	1	1	-	3	5.5	5	500	-	-40	125,85	-	16
STM8AF6286	Automotive 8-bit MCU with 64 Kbytes Flash, LIN, 24 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm,VFQFPN 32 5x5x1.0 mm	24	64	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	25	1	-	1	1	1	1	-	3	5.5	5	500	-	-40	125,150,85	-	7
STM8AF6288	Automotive 8-bit MCU with 64 Kbytes Flash, LIN, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	24	64	6	2048	1	3	AWU,Beeper,IWDG	-	-	-	38	1	-	1	1	1	1	-	3	5.5	5	500	-	-40	125,150,85	-	10
STM8AF6289	Automotive 8-bit MCU with 64 Kbytes Flash, LIN, 24 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	24	64	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	54	1	-	1	1	1	1	-	3	5.5	5	500	-	-40	125,85	-	16
STM8AF628A	Automotive 8-bit MCU with 64 Kbytes Flash, LIN, 24 MHz CPU, integrated EEPROM	LQFP 80 14x14x1.4 mm	24	64	6	2048	1	3	AWU,IWDG,WWDG	-	-	-	70	1	-	1	1	1	1	-	3	5.5	5	500	-	-40	125	-	16
STM8AF62A6	Automotive 8-bit MCU with 128 Kbytes Flash, LIN, 24 MHz CPU, integrated EEPROM	VFQFPN 32 5x5x1.0 mm	24	128	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	25	1	-	1	1	1	1	-	3	5.5	5	500	-	-40	125,150	-	7
STM8AF62A8	Automotive 8-bit MCU with 128 Kbytes Flash, LIN, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	24	128	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	38	1	-	1	1	1	1	-	3	5.5	5	500	-	-40	125,150	-	10
STM8AF62A9	Automotive 8-bit MCU with 128 Kbytes Flash, LIN, 24 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	24	128	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	54	1	-	1	1	1	1	-	3	5.5	5	500	-	-40	125,150	-	10
STM8AF62AA	Automotive 8-bit MCU with 128 Kbytes Flash, LIN, 24 MHz CPU, integrated EEPROM	LQFP 80 14x14x1.4 mm	24	128	6	2048	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	70	1	-	1	1	1	1	-	3	5.5	5	500	-	-40	125,85	-	16
STM8AF6366	Automotive 8-bit MCU with 32 Kbytes Flash, LIN, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm	16	32	2	1024	1	3	AWU,Beeper,IWDG,WWDG	-	-	-	25	1	-	1	1	1	1	-	3	5.5	5	430	-	-40	125	-	7
STM8AF6388	Automotive 8-bit MCU with 64 Kbytes Flash, LIN, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	24	64	6	2048	1	3	AWU,Beeper,IWDG	-	-	-	38	1	-	1	1	1	1	-	3	5.5	5	500	-	-40	125,150	-	10
STM8AL3136	Automotive 8-bit ultra-low-power MCU with 8 Kbytes Flash, LIN, RTC, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 32 7x7x1.4 mm,VFQFPN 32 5x5x1.0 mm	16	8	2	1024	1	3	AWU,Beeper,IWDG,RTC,WWDG	22	1	2	30	1	-	1	1	1	1	-	1.8	3.6	0.4	195	-	-40	125,85	true	-
STM8AL3138	Automotive 8-bit ultra-low-power MCU with 8 Kbytes Flash, LIN, RTC, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 48 7x7x1.4 mm	16	8	2	1024	1	3	AWU,Beeper,IWDG,RTC,WWDG	25	1	2	41	1	-	1	1	1	1	-	1.8	3.6	0.4	195	-	-40	125,85	true	-
STM8AL3146	Automotive 8-bit ultra-low-power MCU with 16 Kbytes Flash, LIN, RTC, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 32 7x7x1.4 mm,VFQFPN 32 5x5x1.0 mm	16	16	2	1024	1	3	AWU,Beeper,IWDG,RTC,WWDG	22	1	2	30	1	-	1	1	1	1	-	1.8	3.6	0.4	195	-	-40	125,85	true	-
STM8AL3148	Automotive 8-bit ultra-low-power MCU with 16 Kbytes Flash, LIN, RTC, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 48 7x7x1.4 mm	16	16	2	1024	1	3	AWU,Beeper,IWDG,RTC,WWDG	25	1	2	41	1	-	1	1	1	1	-	1.8	3.6	0.4	195	-	-40	125,85	true	-
STM8AL3166	Automotive 8-bit ultra-low-power MCU with 32 Kbytes Flash, LIN, RTC, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 32 7x7x1.4 mm,VFQFPN 32 5x5x1.0 mm	16	32	2	1024	1	3	AWU,Beeper,IWDG,RTC,WWDG	22	1	2	30	1	-	1	1	1	1	-	1.8	3.6	0.4	195	-	-40	125,85	true	-
STM8AL3168	Automotive 8-bit ultra-low-power MCU with 32 Kbytes Flash, LIN, RTC, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 48 7x7x1.4 mm	16	32	2	1024	1	3	AWU,Beeper,IWDG,RTC,WWDG	25	1	2	41	1	-	1	1	1	1	-	1.8	3.6	0.4	195	-	-40	125,85	true	-
STM8AL3188	Automotive 8-bit ultra-low-power MCU with 64 Kbytes Flash, LIN, RTC, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 48 7x7x1.4 mm	16	64	4	2000	1	4	AWU,Beeper,IWDG,WWDG	25	2	2	41	1	-	1	1	1	1	-	1.8	3.6	0.4	200	-	-40	125,85	true	-
STM8AL3189	Automotive 8-bit ultra-low-power MCU with 64 Kbytes Flash, LIN, RTC, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 64 10x10x1.4 mm	16	64	4	2000	1	4	AWU,Beeper,IWDG,RTC,WWDG	28	2	2	54	1	-	1	3	-	1	-	1.8	3.6	0.4	200	-	-40	125	true	-
STM8AL318A	Automotive 8-bit ultra-low-power MCU with 64 Kbytes Flash, LIN, RTC, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 80 14x14x1.4 mm	16	64	4	2000	1	4	AWU,Beeper,IWDG,RTC,WWDG	28	2	2	68	1	-	1	3	-	1	-	1.8	3.6	0.4	200	-	-40	125	true	-
STM8AL31E88	Automotive 8-bit ultra-low-power MCU with 64 Kbytes Flash, LIN, RTC, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs, AES	LQFP 48 7x7x1.4 mm	16	64	4	2000	1	4	AWU,Beeper,IWDG,RTC,WWDG	25	2	2	41	1	-	1	3	-	1	AES	1.8	3.6	0.4	200	-	-40	125,85	true	-
STM8AL31E89	Automotive 8-bit ultra-low-power MCU with 64 Kbytes Flash, LIN, RTC, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs, AES	LQFP 64 10x10x1.4 mm	16	64	4	2000	1	4	AWU,Beeper,IWDG,RTC,WWDG	28	2	2	54	1	-	1	3	-	1	AES	1.8	3.6	0.4	200	-	-40	125,85	true	-
STM8AL31E8A	Automotive 8-bit ultra-low-power MCU with 64 Kbytes Flash, LIN, RTC, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs, AES	LQFP 80 14x14x1.4 mm	16	64	4	2000	1	4	AWU,Beeper,IWDG,RTC,WWDG	28	2	2	68	1	-	1	3	-	1	AES	1.8	3.6	0.4	200	-	-40	125,85	true	-
STM8AL3L46	Automotive 8-bit ultra-low-power MCU with 16 Kbytes Flash, LIN, RTC, LCD, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 32 7x7x1.4 mm	16	16	2	1024	1	3	AWU,Beeper,IWDG,RTC,WWDG	21	1	2	29	1	-	1	1	1	1	-	1.8	3.6	0.4	195	Segment LCD	-40	125,85	true	-
STM8AL3L48	Automotive 8-bit ultra-low-power MCU with 16 Kbytes Flash, LIN, RTC, LCD, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 48 7x7x1.4 mm	16	16	2	1024	1	3	AWU,Beeper,IWDG,RTC,WWDG	25	1	2	41	1	-	1	1	1	1	-	1.8	3.6	0.4	195	Segment LCD	-40	125,85	true	-
STM8AL3L66	Automotive 8-bit ultra-low-power MCU with 32 Kbytes Flash, LIN, RTC, LCD, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 32 7x7x1.4 mm	16	32	2	1024	1	3	AWU,Beeper,IWDG,RTC,WWDG	21	1	2	29	1	-	1	1	1	1	-	1.8	3.6	0.4	195	Segment LCD	-40	125,85	true	-
STM8AL3L68	Automotive 8-bit ultra-low-power MCU with 32 Kbytes Flash, LIN, RTC, LCD, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 48 7x7x1.4 mm	16	32	2	1024	1	3	AWU,Beeper,IWDG,RTC,WWDG	25	1	2	41	1	-	1	1	1	1	-	1.8	3.6	0.4	195	Segment LCD	-40	125,85	true	-
STM8AL3L88	Automotive 8-bit ultra-low-power MCU with 64 Kbytes Flash, LIN, RTC, LCD, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 48 7x7x1.4 mm	16	64	4	2000	1	4	AWU,Beeper,IWDG,RTC,WWDG	25	2	2	41	1	-	1	3	-	1	-	1.8	3.6	0.4	200	Segment LCD	-40	125,85	true	-
STM8AL3L89	Automotive 8-bit ultra-low-power MCU with 64 Kbytes Flash, LIN, RTC, LCD, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 64 10x10x1.4 mm	16	64	4	2000	1	4	AWU,Beeper,IWDG,RTC,WWDG	28	2	2	54	1	-	1	3	-	1	-	1.8	3.6	0.4	200	Segment LCD	-40	125	true	-
STM8AL3L8A	Automotive 8-bit ultra-low-power MCU with 64 Kbytes Flash, LIN, RTC, LCD, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs	LQFP 80 14x14x1.4 mm	16	64	4	2000	1	4	AWU,Beeper,IWDG,RTC,WWDG	28	2	2	68	1	-	1	3	-	1	-	1.8	3.6	0.4	200	Segment LCD	-40	125	true	-
STM8AL3LE88	Automotive 8-bit ultra-low-power MCU with 64 Kbytes Flash, LIN, RTC, LCD, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs, AES	LQFP 48 7x7x1.4 mm	16	64	4	2000	1	4	AWU,Beeper,IWDG,RTC,WWDG	25	2	2	41	1	-	1	3	-	1	AES	1.8	3.6	0.4	200	Segment LCD	-40	125,85	true	-
STM8AL3LE89	Automotive 8-bit ultra-low-power MCU with 64 Kbytes Flash, LIN, RTC, LCD, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs, AES	LQFP 64 10x10x1.4 mm	16	64	4	2000	1	4	AWU,Beeper,IWDG,RTC,WWDG	28	2	2	54	1	-	1	3	-	1	AES	1.8	3.6	0.4	200	Segment LCD	-40	125,85	true	-

STM8AL3LE8A	Automotive 8-bit ultra-low-power MCU with 64 Kbytes Flash, LIN, RTC, LCD, data EEPROM, timers, USARTs, I2C, SPIs, ADC, DAC, COMPs, AES	LQFP 80 14x14x1.4 mm	16	64	4	2000	1	4	AWU,Beeper,IWDG,RTC,WWDG	28	2	2	68	1	-	1	3	-	1	AES	1.8	3.6	0.4	200	Segment LCD	-40	125,85	true	-
STM8L001J3	Ultra-low-power 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, up to 2-Kbyte of EEPROM	SO-8	16	8	1.5	-	1	2	Beeper,IWDG	-	-	2	6	1	-	1	-	1	-	-	1.8	3.6	0.3	150	-	-40	125	true	-
STM8L050J3	Ultra-low-power Value line 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, integrated EEPROM	SO-8	16	8	1	256	1	2	Beeper,IWDG,RTC	4	-	2	6	1	-	1	1	1	-	-	1.8	3.6	0.35	180	-	-40	125	true	-
STM8L051F3	Ultra-low-power 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, integrated EEPROM	TSSOP-20	16	8	1	256	1	2	Beeper,Dual Watchdog,IWDG,RTC	10	-	-	18	1	-	1	1	1	-	-	1.8	3.6	0.35	180	-	-40	85	true	-
STM8L052C6	Ultra-low-power 8-bit MCU with 32 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	16	32	2	256	1	3	Beeper,IWDG,RTC,WWDG	25	-	-	41	1	-	1	1	-	-	-	1.8	3.6	0.35	180	Segment LCD	-40	85	true	-
STM8L052R8	Ultra-low-power 8-bit MCU with 64 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	16	64	4	256	1	4	Beeper,IWDG,RTC,WWDG	27	-	-	54	1	-	2	3	-	-	-	1.8	3.6	0.4	200	Segment LCD	-40	85	true	-
STM8L101F1	Ultra-low-power 8-bit MCU with 2 Kbytes Flash, 16 MHz CPU, integrated EEPROM	UFQFPN 20 3x3x0.6 mm	16	2	1.5	-	1	2	AWU,Beeper,IWDG	-	-	2	18	1	-	1	1	1	-	-	1.65	3.6	0.3	150	-	-40	85	true	-
STM8L101F2	Ultra-low-power 8-bit MCU with 4 Kbytes Flash, 16 MHz CPU, integrated EEPROM	TSSOP-20,UFQFPN 20 3x3x0.6 mm	16	4	1.5	-	1	2	AWU,Beeper,IWDG	-	-	2	18	1	-	1	1	1	-	-	1.65	3.6	0.3	150	-	-40	125,85	true	-
STM8L101F3	Ultra-low-power 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, up to 2-Kbyte of EEPROM	TSSOP-20,UFQFPN 20 3x3x0.6 mm	16	8	1.5	-	1	2	AWU,Beeper,IWDG	-	-	2	18	1	-	1	1	1	-	-	1.65	3.6	0.3	150	-	-40	125,85	true	-
STM8L101G2	Ultra-low-power 8-bit MCU with 4 Kbytes Flash, 16 MHz CPU, integrated EEPROM	UFQFPN 28 4x4x0.55 mm	16	4	1.5	-	1	2	AWU,Beeper,IWDG	-	-	2	26	1	-	1	1	1	-	-	1.65	3.6	0.3	150	-	-40	85	true	-
STM8L101G3	Ultra-low-power 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, up to 2-Kbyte of EEPROM	UFQFPN 28 4x4x0.55 mm	16	8	1.5	-	1	2	AWU,Beeper,IWDG	-	-	2	26	1	-	1	1	1	-	-	1.65	3.6	0.3	150	-	-40	85	true	-
STM8L101K3	Ultra-low-power 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, up to 2-Kbyte of EEPROM	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	16	8	1.5	-	1	2	AWU,Beeper,IWDG	-	-	2	30	1	-	1	1	1	-	-	1.65	3.6	0.3	150	-	-40	125,85	true	-
STM8L151C2	Ultra-low-power 8-bit MCUs with 4-Kbyte Flash, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	16	4	1	256	1	2	Beeper,IWDG,RTC,WWDG	28	-	2	41	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	85	true	-
STM8L151C3	Ultra-low-power 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	16	8	1	256	1	2	Beeper,IWDG,RTC,WWDG	28	-	2	41	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	125,85	true	-
STM8L151C4	Ultra-low-power 8-bit MCU with 16 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	16	16	2	1024	1	3	Beeper,IWDG,RTC,WWDG	25	1	2	41	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	125,85	true	-
STM8L151C6	Ultra-low-power 8-bit MCU with 32 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	16	32	2	1024	1	3	Beeper,IWDG,RTC,WWDG	25	1	2	41	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	125,85	true	-
STM8L151C8	Ultra-low-power 8-bit MCU with 64 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	16	64	4	2048	1	4	Beeper,IWDG,RTC,WWDG	25	2	2	41	1	-	2	3	-	-	-	1.65	3.6	0.4	200	-	-40	105,125,85	true	-
STM8L151F2	Ultra-low-power 8-bit MCU with 4 Kbytes Flash, 16 MHz CPU, integrated EEPROM	TSSOP-20,UFQFPN 20 3x3x0.6 mm	16	4	1	256	1	2	Beeper,IWDG,RTC,WWDG	10	-	2	18	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	85	true	-
STM8L151F3	Ultra-low-power 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, integrated EEPROM	TSSOP-20,UFQFPN 20 3x3x0.6 mm	16	8	1	256	1	2	Beeper,IWDG,RTC,WWDG	10	-	2	18	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	125,85	true	-
STM8L151G2	Ultra-low-power 8-bit MCU with 4 Kbytes Flash, 16 MHz CPU, integrated EEPROM	UFQFPN 28 4x4x0.55 mm	16	4	1	256	1	2	Beeper,IWDG,RTC,WWDG	18	-	2	26	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	125,85	true	-
STM8L151G3	Ultra-low-power 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, integrated EEPROM	UFQFPN 28 4x4x0.55 mm	16	8	1	256	1	2	Beeper,IWDG,RTC,WWDG	18	-	2	26	1	-	1	1	-	-	-	1.65	3.6	0.35	180	-	-40	125,85	true	-
STM8L151G4	Ultra-low-power 8-bit MCU with 16 Kbytes Flash, 16 MHz CPU, integrated EEPROM	UFQFPN 28 4x4x0.55 mm,WLCSP 28 1.7x2.9x0.6 P 0.4 mm	16	16	2	1024	1	3	Beeper,IWDG,RTC,WWDG	18	1	2	26	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	125,85	true	-
STM8L151G6	Ultra-low-power 8-bit MCU with 32 Kbytes Flash, 16 MHz CPU, integrated EEPROM	UFQFPN 28 4x4x0.55 mm,WLCSP 28 1.7x2.9x0.6 P 0.4 mm	16	32	2	1024	1	3	Beeper,IWDG,RTC,WWDG	18	1	2	26	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	105,125,85	true	-
STM8L151K2	Ultra-low-power 8-bit MCU with 4 Kbytes Flash, 16 MHz CPU, integrated EEPROM	UFQFPN 32 5x5x0.55 mm	16	4	1	256	1	2	Beeper,IWDG,RTC,WWDG	23	-	2	30	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	85	true	-
STM8L151K3	Ultra-low-power 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, integrated EEPROM	UFQFPN 32 5x5x0.55 mm	16	8	1	256	1	2	Beeper,IWDG,RTC,WWDG	23	-	2	30	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	125,85	true	-
STM8L151K4	Ultra-low-power 8-bit MCU with 16 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	16	16	2	1024	1	3	Beeper,IWDG,RTC,WWDG	22	1	2	30	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	125,85	true	-
STM8L151K6	Ultra-low-power 8-bit MCU with 32 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	16	32	2	1024	1	3	Beeper,IWDG,RTC,WWDG	22	1	2	30	1	-	1	1	1	-	-	1.65	3.6	0.35	180	-	-40	125,85	true	-
STM8L151M8	Ultra-low-power 8-bit MCU with 64 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 80 14x14x1.4 mm	16	64	4	2048	1	4	Beeper,IWDG,RTC,WWDG	28	2	2	68	1	-	2	3	-	-	-	1.65	3.6	0.4	200	-	-40	85	true	-
STM8L151R6	Ultra-low-power 8-bit MCU with 32 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	16	32	2	1024	1	4	Beeper,IWDG,RTC,WWDG	28	2	2	54	1	-	2	3	-	-	-	1.65	3.6	0.4	200	-	-40	85	true	-
STM8L151R8	Ultra-low-power 8-bit MCU with 64 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	16	64	4	2048	1	4	Beeper,IWDG,RTC,WWDG	28	2	2	54	1	-	2	3	-	-	-	1.65	3.6	0.4	200	-	-40	125,85	true	-
STM8L152C4	Ultra-low-power 8-bit MCU with 16 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	16	16	2	1024	1	3	Beeper,IWDG,RTC,WWDG	25	1	2	41	1	-	1	1	1	-	-	1.65	3.6	0.35	195	Segment LCD	-40	125,85	true	-
STM8L152C6	Ultra-low-power 8-bit MCU with 32 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	16	32	2	1024	1	3	Beeper,IWDG,RTC,WWDG	25	1	2	41	1	-	1	1	1	-	-	1.65	3.6	0.35	180	Segment LCD	-40	125,85	true	-
STM8L152C8	Ultra-low-power 8-bit MCU with 64 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm,UFQFPN 48 7x7x0.55 mm	16	64	4	2048	1	4	Beeper,IWDG,RTC,WWDG	25	2	2	41	1	-	2	3	-	-	-	1.65	3.6	0.4	200	Segment LCD	-40	85	true	-
STM8L152K4	Ultra-low-power 8-bit MCU with 16 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	16	16	2	1024	1	3	Beeper,IWDG,RTC,WWDG	21	1	2	29	1	-	1	1	1	-	-	1.65	3.6	0.35	180	Segment LCD	-40	85	true	-
STM8L152K6	Ultra-low-power 8-bit MCU with 32 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	16	32	2	1024	1	3	Beeper,IWDG,RTC,WWDG	21	1	2	29	1	-	1	1	1	-	-	1.65	3.6	0.35	180	Segment LCD	-40	125,85	true	-
STM8L152K8	Ultra-low-power 8-bit MCU with 64 Kbytes Flash, 16 MHz CPU, integrated EEPROM	WLCSP 32 1.9x3.4x0.6 P 0.4 mm	16	64	4	2048	1	4	Beeper,IWDG,RTC,WWDG	20	2	2	29	1	-	1	2	-	-	-	1.65	3.6	0.4	200	Segment LCD	-40	85	true	-
STM8L152M8	Ultra-low-power 8-bit MCU with 64 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 80 14x14x1.4 mm	16	64	4	2048	1	4	Beeper,IWDG,RTC,WWDG	28	2	2	68	1	-	2	3	-	-	-	1.65	3.6	0.4	200	Segment LCD	-40	105,125,85	true	-
STM8L152R6	Ultra-low-power 8-bit MCU with 32 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	16	32	2	1024	1	4	Beeper,IWDG,RTC,WWDG	28	2	2	54	1	-	2	3	-	-	-	1.65	3.6	0.4	200	Segment LCD	-40	85	true	-
STM8L152R8	Ultra-low-power 8-bit MCU with 64 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	16	64	4	2048	1	4	Beeper,IWDG,RTC,WWDG	28	2	2	54	1	-	2	3	-	-	-	1.65	3.6	0.4	200	Segment LCD	-40	125,85	true	-
STM8L162M8	Ultra-low-power 8-bit MCU with 64 Kbytes Flash, 16 MHz CPU, integrated EEPROM, AES	LQFP 80 14x14x1.4 mm	16	64	4	2048	1	4	Beeper,IWDG,RTC,WWDG	28	2	2	68	1	-	2	3	-	-	AES	1.65	3.6	0.4	200	Segment LCD	-40	85	true	-
STM8L162R8	Ultra-low-power 8-bit MCU with 64 Kbytes Flash, 16 MHz CPU, integrated EEPROM, AES	LQFP 64 10x10x1.4 mm	16	64	4	2048	1	4	Beeper,IWDG,RTC,WWDG	28	2	2	54	1	-	2	3	-	-	AES	1.65	3.6	0.4	200	Segment LCD	-40	85	true	-
STM8S001J3	Mainstream Value line 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU	SO-8	16	8	1	128	1	2	IWDG,WWDG	1	-	-	5	1	-	1	-	1	-	-	2.95	5.5	5	230	-	-40	125	true	3
STM8S003F3	Mainstream Value line 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, integrated EEPROM	TSSOP-20,UFQFPN 20 3x3x0.6 mm	16	8	1	128	1	2	Beeper,IWDG,WWDG	-	-	-	16	1	-	1	-	1	-	-	2.95	5.5	5	230	-	-40	85	true	5
STM8S003K3	Mainstream Value line 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm	16	8	1	128	1	2	Beeper,IWDG,WWDG	-	-	-	28	1	-	1	-	1	-	-	2.95	5.5	5	230	-	-40	85	true	4
STM8S005C6	Mainstream Value line 8-bit MCU with 32 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	16	32	2	128	1	3	Beeper,IWDG,WWDG	-	-	-	38	1	-	1	-	1	-	-	2.95	5.5	5	430	-	-40	85	true	10
STM8S005K6	Mainstream Value line 8-bit MCU with 32 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm	16	32	2	128	1	3	Beeper,IWDG,WWDG	-	-	-	25	1	-	1	-	1	-	-	2.95	5.5	5	430	-	-40	85	true	7
STM8S007C8	Mainstream Value line 8-bit MCU with 64 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	16	64	6	128	1	3	Beeper,IWDG,WWDG	-	-	-	38	1	-	1	-	2	-	-	2.95	5.5	5	500	-	-40	85	true	10
STM8S103F2	Mainstream Access line 8-bit MCU with 4 Kbytes Flash, 16 MHz CPU, integrated EEPROM	SO-20,TSSOP-20,UFQFPN 20 3x3x0.6 mm	16	4	1	640	1	2	Beeper,IWDG,WWDG	-	-	-	16	1	-	1	-	1	-	-	2.95	5.5	5	230	-	-40	125,85	true	5
STM8S103F3	Mainstream Access line 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, integrated EEPROM	SO-20,TSSOP-20,UFQFPN 20 3x3x0.6 mm	16	8	1	640	1	2	Beeper,IWDG,WWDG	-	-	-	16	1	-	1	-	1	-	-	2.95	5.5	5	230	-	-40	125,85	true	5
STM8S103K3	Mainstream Access line 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	16	8	1	640	1	2	Beeper,IWDG,WWDG	-	-	-	28	1	-	1	-	1	-	-	2.95	5.5	5	230	-	-40	125,85	true	4
STM8S105C4	Mainstream Access line 8-bit MCU with 16 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	16	16	2	1024	1	3	Beeper,IWDG,WWDG	-	-	-	38	1	-	1	-	1	-	-	2.95	5.5	5	430	-	-40	125,85	true	10
STM8S105C6	Mainstream Access line 8-bit MCU with 32 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	16	32	2	1024	1	3	Beeper,IWDG,WWDG	-	-	-	38	1	-	1	-	1	-	-	2.95	5.5	5	430	-	-40	125,85	true	10
STM8S105K4	Mainstream Access line 8-bit MCU with 16 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	16	16	2	1024	1	3	Beeper,IWDG,WWDG	-	-	-	25	1	-	1	-	1	-	-	2.95	5.5	5	430	-	-40	125,85	true	7
STM8S105K6	Mainstream Access line 8-bit MCU with 32 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	16	32	2	1024	1	3	Beeper,IWDG,WWDG	-	-	-	25	1	-	1	-	1	-	-	2.95	5.5	5	430	-	-40	125,85	true	7
STM8S105S4	Mainstream Access line 8-bit MCU with 16 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 44 10x10x1.4 mm	16	16	2	1024	1	3	Beeper,IWDG,WWDG	-	-	-	34	1	-	1	-	1	-	-	2.95	5.5	5	430	-	-40	85	true	9

STM8S105S6	Mainstream Access line 8-bit MCU with 32 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 44 10x10x1.4 mm	16	32	2	1024	1	3	Beeper,IWDG,WWDG	-	-	-	34	1	-	1	-	1	-	-	2.95	5.5	5	430	-	-40	125,85	true	9
STM8S207C6	Mainstream Performance line 8-bit MCU with 32 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	24	32	6	1024	1	3	Beeper,IWDG,WWDG	-	-	-	38	1	-	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	10
STM8S207C8	Mainstream Performance line 8-bit MCU with 64 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	24	64	6	1536	1	3	Beeper,IWDG,WWDG	-	-	-	38	1	-	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	10
STM8S207CB	Mainstream Performance line 8-bit MCU with 128 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	24	128	6	2048	1	3	Beeper,IWDG,WWDG	-	-	-	38	1	-	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	10
STM8S207K6	Mainstream Performance line 8-bit MCU with 32 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm	24	32	6	1024	1	3	Beeper,IWDG,WWDG	-	-	-	25	1	-	1	-	1	-	-	2.95	5.5	5	500	-	-40	125,85	true	7
STM8S207K8	Mainstream Performance line 8-bit MCU with 64 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm	24	64	6	1024	1	3	Beeper,IWDG,WWDG	-	-	-	25	1	-	1	-	1	-	-	2.95	5.5	5	500	-	-40	125,85	true	7
STM8S207M8	Mainstream Performance line 8-bit MCU with 64 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 80 14x14x1.4 mm	24	64	6	2048	1	3	Beeper,IWDG,WWDG	-	-	-	68	1	-	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	16
STM8S207MB	Mainstream Performance line 8-bit MCU with 128 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 80 14x14x1.4 mm	24	128	6	2048	1	3	Beeper,IWDG,WWDG	-	-	-	68	1	-	1	-	2	-	-	2.95	5.5	5	500	-	-40	85	true	16
STM8S207R6	Mainstream Performance line 8-bit MCU with 32 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	24	32	6	1024	1	3	Beeper,IWDG,WWDG	-	-	-	52	1	-	1	-	2	-	-	2.95	5.5	5	500	-	-40	85	true	16
STM8S207R8	Mainstream Performance line 8-bit MCU with 64 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm,LQFP 64 14x14x1.4 mm	24	64	6	1536	1	3	Beeper,IWDG,WWDG	-	-	-	52	1	-	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	16
STM8S207RB	Mainstream Performance line 8-bit MCU with 128 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm,LQFP 64 14x14x1.4 mm	24	128	6	2048	1	3	Beeper,IWDG,WWDG	-	-	-	52	1	-	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	16
STM8S207S6	Mainstream Performance line 8-bit MCU with 32 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 44 10x10x1.4 mm	24	32	6	1024	1	3	Beeper,IWDG,WWDG	-	-	-	34	1	-	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	9
STM8S207S8	Mainstream Performance line 8-bit MCU with 64 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 44 10x10x1.4 mm	24	64	6	1536	1	3	Beeper,IWDG,WWDG	-	-	-	34	1	-	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	9
STM8S207SB	Mainstream Performance line 8-bit MCU with 128 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 44 10x10x1.4 mm	24	128	6	1536	1	3	Beeper,IWDG,WWDG	-	-	-	34	1	-	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	9
STM8S208C6	Mainstream Performance line 8-bit MCU with 32 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	24	32	6	2048	1	3	Beeper,IWDG,WWDG	-	-	-	38	1	1	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	10
STM8S208C8	Mainstream Performance line 8-bit MCU with 64 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	24	64	6	2048	1	3	Beeper,IWDG,WWDG	-	-	-	38	1	1	1	-	2	-	-	2.95	5.5	5	500	-	-40	85	true	10
STM8S208CB	Mainstream Performance line 8-bit MCU with 128 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 48 7x7x1.4 mm	24	128	6	2048	1	3	Beeper,IWDG,WWDG	-	-	-	38	1	1	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	10
STM8S208MB	Mainstream Performance line 8-bit MCU with 128 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 80 14x14x1.4 mm	24	128	6	2048	1	3	Beeper,IWDG,WWDG	-	-	-	68	1	1	1	-	2	-	-	2.95	5.5	5	500	-	-40	85	true	16
STM8S208R8	Mainstream Performance line 8-bit MCU with 64 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	24	64	6	2048	1	3	Beeper,IWDG,WWDG	-	-	-	52	1	1	1	-	2	-	-	2.95	5.5	5	500	-	-40	85	true	16
STM8S208RB	Mainstream Performance line 8-bit MCU with 128 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 64 10x10x1.4 mm	24	128	6	2048	1	3	Beeper,IWDG,WWDG	-	-	-	52	1	1	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	16
STM8S208S6	Mainstream Performance line 8-bit MCU with 32 Kbytes Flash, 24 MHz CPU, integrated EEPROM	LQFP 44 10x10x1.4 mm	24	32	6	1536	1	3	Beeper,IWDG,WWDG	-	-	-	34	1	1	1	-	2	-	-	2.95	5.5	5	500	-	-40	125,85	true	9
STM8S903F3	Mainstream Application specific line 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, integrated EEPROM	SO-20,TSSOP-20,UFQFPN 20 3x3x0.6 mm	16	8	1	640	1	2	Beeper,IWDG,WWDG	-	-	-	16	1	-	1	-	1	-	-	2.95	5.5	5	230	-	-40	125,85	true	5
STM8S903K3	Mainstream Application specific line 8-bit MCU with 8 Kbytes Flash, 16 MHz CPU, integrated EEPROM	LQFP 32 7x7x1.4 mm,UFQFPN 32 5x5x0.55 mm	16	8	1	640	1	2	Beeper,IWDG,WWDG	-	-	-	28	1	-	1	-	1	-	-	2.95	5.5	5	230	-	-40	125,85	true	7
STM8SPLNB1	DiSEqC slave microcontroller for SaTCR based LNBs and switchers	SO-20,TSSOP-20	16	8	1	640	-	-	-	-	-	-	-	4	-	-	-	-	-	-	2.95	5.5	5	230	-	-40	85	false	5
STM8TL52F4	8-bit, ultra-low-power, touch-sensing MCUs with 16-Kbyte Flash and proximity detection	TSSOP-20	16	16	4	2048	1	2	-	-	-	-	12	1	-	1	1	1	-	-	1.65	3.6	12	250	-	-40	85	-	-
STM8TL52G4	8-bit, ultra-low-power, touch-sensing MCUs with 16-Kbyte Flash and proximity detection	UFQFPN 28 4x4x0.55 mm	16	16	4	2048	1	2	-	-	-	-	17	1	-	1	1	1	-	-	1.65	3.6	12	250	-	-40	85	-	-
STM8TL53C4	8-bit, ultra-low-power, touch-sensing MCUs with 16-Kbyte Flash and proximity detection	UFQFPN 48 7x7x0.55 mm	16	16	4	2048	1	2	-	-	-	-	23	1	-	1	1	1	-	-	1.65	3.6	12	250	-	-40	85	-	-
STM8TL53F4	8-bit, ultra-low-power, touch-sensing MCUs with 16-Kbyte Flash and proximity detection	TSSOP-20	16	16	4	2048	1	2	-	-	-	-	12	1	-	1	1	1	-	-	1.65	3.6	12	250	-	-40	85	-	-
STM8TL53G4	8-bit, ultra-low-power, touch-sensing MCUs with 16-Kbyte Flash and proximity detection	UFQFPN 28 4x4x0.55 mm	16	16	4	2048	1	2	-	-	-	-	17	1	-	1	1	1	-	-	1.65	3.6	12	250	-	-40	85	-	-

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