life.augmented

STM32系列
32位微控制器(MCU)

产品选型手册

www.stmcu.com.cn

目录

STM32-32位微控制器(MCU)家族

主流级MCU

STM32 F0系列 – ARM® Cortex®-M0入门级MCU 3

STM32 F1系列 – ARM® Cortex®-M3基础型MCU 9

STM32 F3系列 – ARM® Cortex®-M4混合信号MCU
(附带DSP和FPU) 16

高性能MCU

STM32 F2系列 – ARM® Cortex®-M3高性能MCU 21

STM32 F4系列 – ARM® Cortex®-M4高性能MCU
(附带DSP和FPU) 24

STM32 F7系列 – ARM® Cortex®-M7超高性能MCU 33

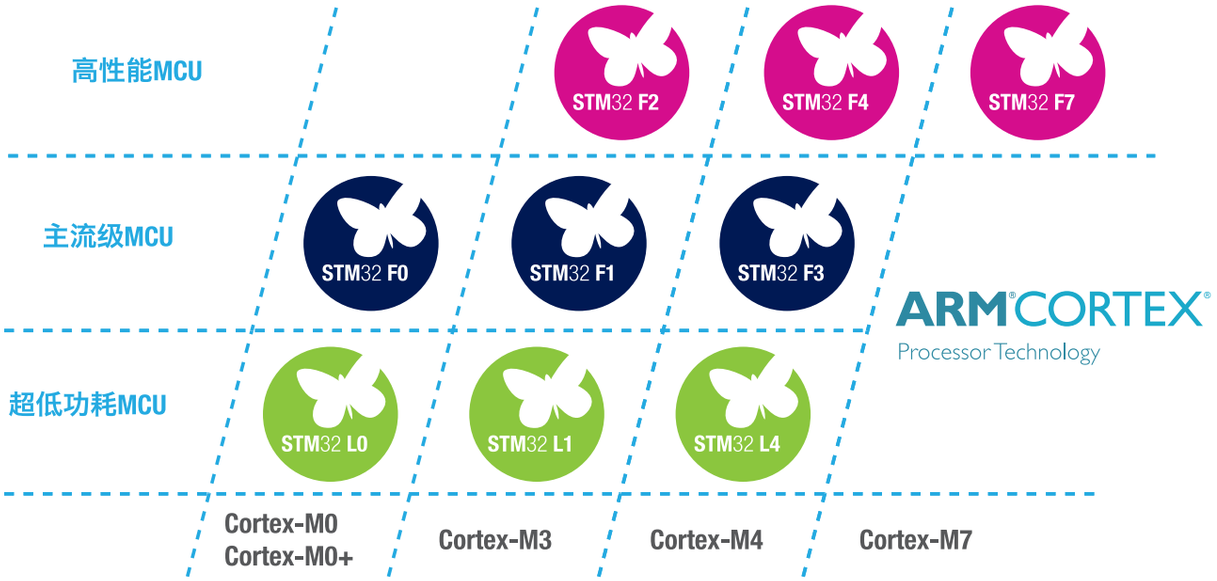
超低功耗MCU

STM32 L0系列 – ARM® Cortex®-M0+超低功耗MCU 37

STM32 L1系列 – ARM® Cortex®-M3超低功耗MCU 47

STM32 L4系列 – ARM® Cortex®-M4超低功耗MCU 52

32位MCU - ARM® Cortex®-M内核



STM32 F0系列 – ARM® Cortex®-M0入门级MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F0x0超值型 – 48 MHz																																																		
STM32F030C6T6	48	ARM Cortex-M0	32	4	0	LQFP48	39	2.4	3.6	5	0	1	0	0	1	13	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F030C8T6	48	ARM Cortex-M0	64	8	0	LQFP48	39	2.4	3.6	7	0	1	0	0	1	16	0	0	0	0	0	2	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F030F4P6	48	ARM Cortex-M0	16	4	0	TSSOP20	15	2.4	3.6	5	0	1	0	0	1	12	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F030K6T6	48	ARM Cortex-M0	32	4	0	LQFP32	26	2.4	3.6	5	0	1	0	0	1	13	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F030R8T6	48	ARM Cortex-M0	64	8	0	LQFP64	55	2.4	3.6	7	0	1	0	0	1	16	0	0	0	0	0	2	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F030RCT6	48	ARM Cortex-M0	256	32	0	LQFP64	51	2.4	3.6	8	0	1	0	0	1	18	0	0	0	0	0	2	0	0	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F030CCT6	48	ARM Cortex-M0	256	32	0	LQFP48	37	2.4	3.6	8	0	1	0	0	1	12	0	0	0	0	0	2	0	0	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F070C6T6	48	ARM Cortex-M0	32	6	0	LQFP48/ UQFN48	38	2.4	3.6	5	0	1	0	0	1	13	0	0	0	0	0	2	0	0	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F070CBT6	48	ARM Cortex-M0	128	16	0	LQFP48/ UQFN48	37	2.4	3.6	8	0	1	0	0	1	13	0	0	0	0	0	2	0	0	2	0	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F070F6P6	48	ARM Cortex-M0	32	6	0	TSSOP20	16	2.4	3.6	5	0	1	0	0	1	12	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F070RBT6	48	ARM Cortex-M0	128	16	0	LQFP64	51	2.4	3.6	8	0	1	0	0	1	19	0	0	0	0	0	2	0	0	2	0	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F0x1基本型 - 48 MHz																																																		
STM32F031C4T6	48	ARM Cortex-M0	16	4	0	LQFP48	39	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F031C6T6	48	ARM Cortex-M0	32	4	0	LQFP48	39	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F031F4P6	48	ARM Cortex-M0	16	4	0	TSSOP20	15	2	3.6	5	1	1	0	0	1	12	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F031E6Y6	48	ARM Cortex-M0	32	4	0	WLCSP25	20	2	3.6	5	1	1	0	0	1	10	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F031F6P6	48	ARM Cortex-M0	32	4	0	TSSOP20	15	2	3.6	5	1	1	0	0	1	12	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F031G4U6	48	ARM Cortex-M0	16	4	0	UFQFPN28	23	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F031G6U6	48	ARM Cortex-M0	32	4	0	UFQFPN28	23	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F031K4T6	48	ARM Cortex-M0	16	4	0	LQFP32	25	2	3.6	5	1	1	0	0	1	10	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F0系列 – ARM® Cortex®-M0入门级MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F031K4U6	48	ARM Cortex-M0	16	4	0	UFQFPN32	27	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F031K6T6	48	ARM Cortex-M0	32	4	0	UFQFPN32	25	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F031K6U6	48	ARM Cortex-M0	32	4	0	UFQFPN32	27	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051C4T6	48	ARM Cortex-M0	16	8	0	LQFP48	39	2	3.6	7	1	1	0	0	1	13	0	0	1	2	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051C4U6	48	ARM Cortex-M0	16	8	0	UFQFPN48	39	2	3.6	7	1	1	0	0	1	13	0	0	1	2	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051C6T6	48	ARM Cortex-M0	32	8	0	LQFP48	39	2	3.6	7	1	1	0	0	1	13	0	0	1	2	0	1	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051C6U6	48	ARM Cortex-M0	32	8	0	UFQFPN48	39	2	3.6	7	1	1	0	0	1	13	0	0	1	2	0	1	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051C8T6	48	ARM Cortex-M0	64	8	0	LQFP48	39	2	3.6	7	1	1	0	0	1	13	0	0	1	2	0	2	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051C8U6	48	ARM Cortex-M0	64	8	0	UFQFPN48	39	2	3.6	7	1	1	0	0	1	13	0	0	1	2	0	2	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051K4T6	48	ARM Cortex-M0	16	8	0	UFQFPN32	25	2	3.6	7	1	1	0	0	1	13	0	0	1	2	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051K4U6	48	ARM Cortex-M0	16	8	0	UFQFPN32	27	2	3.6	7	1	1	0	0	1	13	0	0	1	2	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051K6T6	48	ARM Cortex-M0	32	8	0	UFQFPN32	25	2	3.6	7	1	1	0	0	1	13	0	0	1	2	0	1	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051K6U6	48	ARM Cortex-M0	32	8	0	UFQFPN32	27	2	3.6	7	1	1	0	0	1	13	0	0	1	2	0	1	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051K8T6	48	ARM Cortex-M0	64	8	0	LQFPN32	25	2	3.6	7	1	1	0	0	1	13	0	0	1	2	0	1	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051K8U6	48	ARM Cortex-M0	64	8	0	UFQFPN32	27	2	3.6	7	1	1	0	0	1	13	0	0	1	2	0	1	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051T8Y6	48	ARM Cortex-M0	64	8	0	WLCSP36	29	2	3.6	7	1	1	0	0	1	10	0	0	1	2	0	1	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051R4H6	48	ARM Cortex-M0	16	8	0	UFBGA64	55	2	3.6	7	1	1	0	0	1	16	0	0	1	2	0	2	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051R4T6	48	ARM Cortex-M0	16	8	0	LQFP64	55	2	3.6	7	1	1	0	0	1	19	0	0	1	2	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051R6H6	48	ARM Cortex-M0	32	8	0	UFBGA64	55	2	3.6	7	1	1	0	0	1	16	0	0	1	2	0	2	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051R6T6	48	ARM Cortex-M0	32	8	0	LQFP64	55	2	3.6	7	1	1	0	0	1	19	0	0	1	2	0	1	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F051R8H6	48	ARM Cortex-M0	64	8	0	UFBGA64	55	2	3.6	7	1	1	0	0	1	19	0	0	1	2	0	2	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F0系列 – ARM® Cortex®-M0入门级MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F051R8T6	48	ARM Cortex-M0	64	8	0	LQFP64	55	2	3.6	7	1	1	0	0	1	19	0	0	1	2	0	2	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F071CBT6	48	ARM Cortex-M0	128	16	0	LQFP48	37	2	3.6	8	1	1	0	0	1	13	0	0	2	2	0	2	0	1	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F071CBY6	48	ARM Cortex-M0	128	16	0	WLCSP49	37	2	3.6	8	1	1	0	0	1	10	0	0	2	2	0	2	0	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F071CBU6	48	ARM Cortex-M0	128	16	0	UFQFPN48	37	2	3.6	8	1	1	0	0	1	13	0	0	2	2	0	2	0	1	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F071RBT6	48	ARM Cortex-M0	128	16	0	LQFP64	51	2	3.6	8	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F071V8H6	48	ARM Cortex-M0	64	16	0	UFBGA100	87	2	3.6	8	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F071V8T6	48	ARM Cortex-M0	64	16	0	LQFP100	87	2	3.6	8	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F071VBH6	48	ARM Cortex-M0	128	16	0	LQFP100	87	2	3.6	8	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F071VBT6	48	ARM Cortex-M0	128	16	0	LQFP100	87	2	3.6	8	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091CBT6	48	ARM Cortex-M0	128	32	0	LQFP48	38	2	3.6	8	1	1	0	0	1	10	0	0	2	2	0	2	0	2	2	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091CBU6	48	ARM Cortex-M0	128	32	0	UFQFPN48	38	2	3.6	8	1	1	0	0	1	10	0	0	2	2	0	2	0	2	2	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091CCT6	48	ARM Cortex-M0	256	32	0	LQFP48	38	2	3.6	8	1	1	0	0	1	10	0	0	2	2	0	2	0	2	2	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091CCU6	48	ARM Cortex-M0	256	32	0	UFQFPN48	38	2	3.6	8	1	1	0	0	1	10	0	0	2	2	0	2	0	2	2	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091RBH6	48	ARM Cortex-M0	128	32	0	UFBGA64	52	2	3.6	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091RBT6	48	ARM Cortex-M0	128	32	0	LQFP64	52	2	3.6	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091RBY6	48	ARM Cortex-M0	128	32	0	WLCSP64	52	2	3.6	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091RCH6	48	ARM Cortex-M0	256	32	0	UFBGA64	52	2	3.6	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091RCT6	48	ARM Cortex-M0	256	32	0	LQFP64	52	2	3.6	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091RCY6	48	ARM Cortex-M0	256	32	0	WLCSP64	52	2	3.6	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091VBH6	48	ARM Cortex-M0	128	32	0	UFBGA100	88	2	3.6	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091VBT6	48	ARM Cortex-M0	128	32	0	LQFP100	88	2	3.6	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F0系列 – ARM® Cortex®-M0入门级MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F091VCH6	48	ARM Cortex-M0	256	32	0	UFBGA100	88	2	3.6	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F091VCT6	48	ARM Cortex-M0	256	32	0	LQFP100	88	2	3.6	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F0x2 USB产品线 - 48 MHz																																																		
STM32F042C4U6	48	ARM Cortex-M0	16	6	0	LQFP48/ UFQFPN48	38	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	2	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042K4T6	48	ARM Cortex-M0	16	6	0	LQFP32/ UFQFPN32	26	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042C4T6	48	ARM Cortex-M0	16	6	0	LQFP48/ UFQFPN48	38	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	2	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042C6T6	48	ARM Cortex-M0	32	6	0	LQFP48/ UFQFPN48	38	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	2	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042C6U6	48	ARM Cortex-M0	32	6	0	LQFP48/ UFQFPN48	38	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	2	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042F4P6	48	ARM Cortex-M0	16	6	0	TSSOP20	16	2	3.6	5	1	1	0	0	1	12	0	0	0	0	0	1	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042F6P6	48	ARM Cortex-M0	32	6	0	TSSOP20	16	2	3.6	5	1	1	0	0	1	12	0	0	0	0	0	1	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042G4U6	48	ARM Cortex-M0	16	6	0	UFQFPN28	24	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042G6U6	48	ARM Cortex-M0	32	6	0	UFQFPN28	24	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042K4U6	48	ARM Cortex-M0	16	6	0	LQFP32/ UFQFPN32	28	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042T4Y6	48	ARM Cortex-M0	16	6	0	WLCSP36	30	2	3.6	5	1	1	0	0	1	10	0	0	0	0	0	1	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042K6T6	48	ARM Cortex-M0	32	6	0	LQFP32/ UFQFPN32	26	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042K6U6	48	ARM Cortex-M0	32	6	0	LQFP32/ UFQFPN32	28	2	3.6	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F042T6Y6	48	ARM Cortex-M0	32	6	0	WLCSP36	30	2	3.6	5	1	1	0	0	1	10	0	0	0	0	0	1	0	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F072C8T6	48	ARM Cortex-M0	64	16	0	LQFP48	37	2	3.6	8	1	1	0	0	1	13	0	0	2	2	0	2	0	1	2	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F072C8U6	48	ARM Cortex-M0	64	16	0	UFQFPN48	37	2	3.6	8	1	1	0	0	1	13	0	0	2	2	0	2	0	2	2	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F072CBT6	48	ARM Cortex-M0	128	16	0	LQFP48	37	2	3.6	8	1	1	0	0	1	13	0	0	2	2	0	2	0	1	2	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F072CBU6	48	ARM Cortex-M0	128	16	0	UFQFPN48	37	2	3.6	8	1	1	0	0	1	13	0	0	2	2	0	2	0	2	2	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F0系列 – ARM® Cortex®-M0入门级MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F072CBY6	48	ARM Cortex-M0	128	16	0	WLCSP49	37	2	3.6	8	1	1	0	0	1	10	0	0	2	2	0	2	0	2	2	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F072R8T6	48	ARM Cortex-M0	64	16	0	LQFP64	51	2	3.6	8	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F072RBH6	48	ARM Cortex-M0	128	16	0	LQFP64	51	2	3.6	8	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F072RBT6	48	ARM Cortex-M0	128	16	0	LQFP64	51	2	3.6	8	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F072V8H6	48	ARM Cortex-M0	64	16	0	LQFP100	87	2	3.6	8	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F072V8T6	48	ARM Cortex-M0	64	16	0	LQFP100	87	2	3.6	8	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F072VBH6	48	ARM Cortex-M0	128	16	0	LQFP100/ UFBGA100	87	2	3.6	8	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F072VBT6	48	ARM Cortex-M0	128	16	0	LQFP100/ UFBGA100	87	2	3.6	8	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F0x8低电压产品线 - 48 MHz																																																			
STM32F038C6T6	48	ARM Cortex-M0	32	4	0	LQFP48/ UFQFPN48	38	1.65	1.95	5	1	1	0	0	1	12	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F038E6Y6	48	ARM Cortex-M0	32	4	0	WLCSP25	19	1.65	1.95	5	1	1	0	0	1	9	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F038F6P6	48	ARM Cortex-M0	32	4	0	TSSOP20	14	1.65	1.95	5	1	1	0	0	1	12	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F038G6U6	48	ARM Cortex-M0	32	4	0	UFQFPN28	22	1.65	1.95	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F038K6U6	48	ARM Cortex-M0	32	4	0	UFQFPN32	26	1.65	1.95	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F048C6U6	48	ARM Cortex-M0	32	6	0	LQFP48/ UFQFPN48	38	1.65	1.95	5	1	1	0	0	1	13	0	0	0	0	0	2	0	1	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F048G6U6	48	ARM Cortex-M0	32	6	0	UFQFPN28	24	1.65	1.95	5	1	1	0	0	1	13	0	0	0	0	0	1	0	1	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F048T6Y6	48	ARM Cortex-M0	32	6	0	WLCSP36	29	1.65	1.95	5	1	1	0	0	1	10	0	0	0	0	0	1	0	1	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F058C8U6	48	ARM Cortex-M0	64	8	0	UFQFPN48	38	1.65	1.95	7	1	1	0	0	1	13	0	0	2	2	0	2	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F058R8H6	48	ARM Cortex-M0	64	8	0	LQFP64	54	1.65	1.95	7	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F058R8T6	48	ARM Cortex-M0	64	8	0	LQFP64	54	1.65	1.95	7	1	1	0	0	1	19	0	0	2	2	0	2	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F058T8Y6	48	ARM Cortex-M0	64	8	0	WLCSP36	28	1.65	1.95	7	1	1	0	0	1	10	0	0	1	2	0	1	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F0系列 – ARM® Cortex®-M0入门级MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F078CBT6	48	ARM Cortex-M0	128	16	0	LQFP48/ WLCSP49	36	1.65	1.95	8	1	1	0	0	1	13	0	0	2	2	0	2	0	2	2	0	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F078CBU6	48	ARM Cortex-M0	128	16	0	LQFP48/ WLCSP49	36	1.65	1.95	8	1	1	0	0	1	13	0	0	2	2	0	2	0	1	2	0	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F078CBY6	48	ARM Cortex-M0	128	16	0	WLCSP49	36	1.65	1.95	8	1	1	0	0	1	10	0	0	2	2	0	2	0	2	2	0	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F078RBT6	48	ARM Cortex-M0	128	16	0	LQFP64	50	1.65	1.95	8	1	1	0	0	1	19	0	0	2	2	0	2	0	2	2	0	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F078VBH6	48	ARM Cortex-M0	128	16	0	LQFP100	86	1.65	1.95	8	1	1	0	0	1	19	0	0	2	2	0	2	0	2	2	0	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F078VBT6	48	ARM Cortex-M0	128	16	0	LQFP100	86	1.65	1.95	8	1	1	0	0	1	19	0	0	2	2	0	2	0	2	2	0	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F098CCT6	48	ARM Cortex-M0	256	32	0	LQFP48	37	1.65	1.95	8	1	1	0	0	1	10	0	0	2	2	0	2	0	2	2	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F098CCU6	48	ARM Cortex-M0	256	32	0	UFQFPN48	37	1.65	1.95	8	1	1	0	0	1	10	0	0	2	2	0	2	0	2	2	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F098RCH6	48	ARM Cortex-M0	256	32	0	UFBGA64	51	1.65	1.95	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F098RCT6	48	ARM Cortex-M0	256	32	0	LQFP64	51	1.65	1.95	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F098RCY6	48	ARM Cortex-M0	256	32	0	WLCSP64	51	1.65	1.95	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F098VCH6	48	ARM Cortex-M0	256	32	0	UFBGA100	87	1.65	1.95	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F098VCT6	48	ARM Cortex-M0	256	32	0	LQFP100	87	1.65	1.95	8	1	1	0	0	1	16	0	0	2	2	0	2	0	2	2	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F1系列 – ARM® Cortex®-M3基础型MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F100超值型 - 24 MHz																																																		
STM32F100C4T6	24	ARM Cortex-M3	16	4	0	LQFP48	37	2	3.6	5	0	1	0	0	1	10	0	0	2	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100C6T6	24	ARM Cortex-M3	32	4	0	LQFP48	37	2	3.6	5	0	1	0	0	1	10	0	0	2	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100C8T6	24	ARM Cortex-M3	64	8	0	LQFP48	37	2	3.6	6	0	1	0	0	1	10	0	0	2	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100CBT6	24	ARM Cortex-M3	128	8	0	LQFP48	37	2	3.6	6	0	1	0	0	1	10	0	0	2	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100R4T6	24	ARM Cortex-M3	16	4	0	LQFP64	51	2	3.6	5	0	1	0	0	1	16	0	0	2	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100R4H6	24	ARM Cortex-M3	16	4	0	TFBGA64	51	2	3.6	5	0	1	0	0	1	16	0	0	2	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100R6T6	24	ARM Cortex-M3	32	4	0	LQFP64	51	2	3.6	5	0	1	0	0	1	16	0	0	2	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100R6H6	24	ARM Cortex-M3	32	4	0	TFBGA64	51	2	3.6	5	0	1	0	0	1	16	0	0	2	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100R8T6	24	ARM Cortex-M3	64	8	0	LQFP64	51	2	3.6	6	0	1	0	0	1	16	0	0	2	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100R8H6	24	ARM Cortex-M3	64	8	0	TFBGA64	51	2	3.6	6	0	1	0	0	1	16	0	0	2	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100RBT6	24	ARM Cortex-M3	128	8	0	LQFP64	51	2	3.6	6	0	1	0	0	1	16	0	0	2	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100RBH6	24	ARM Cortex-M3	128	8	0	TFBGA64	51	2	3.6	6	0	1	0	0	1	16	0	0	2	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100RCT6	24	ARM Cortex-M3	256	24	0	LQFP64	51	2	3.6	11	0	1	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100RDT6	24	ARM Cortex-M3	384	32	0	LQFP64	51	2	3.6	11	0	1	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100RET6	24	ARM Cortex-M3	512	32	0	LQFP64	51	2	3.6	11	0	1	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100V8T6	24	ARM Cortex-M3	64	8	0	LQFP100	80	2	3.6	6	0	1	0	0	1	16	0	0	2	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100VBT6	24	ARM Cortex-M3	128	8	0	LQFP100	80	2	3.6	6	0	1	0	0	1	16	0	0	2	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100VCT6	24	ARM Cortex-M3	256	24	0	LQFP100	80	2	3.6	11	0	1	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100VDT6	24	ARM Cortex-M3	384	32	0	LQFP100	80	2	3.6	11	0	1	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100VET6	24	ARM Cortex-M3	512	32	0	LQFP100	80	2	3.6	11	0	1	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F1系列 – ARM® Cortex®-M3基础型MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F100ZCT6	24	ARM Cortex-M3	256	24	0	LQFP144	112	2	3.6	11	0	1	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100ZDT6	24	ARM Cortex-M3	384	32	0	LQFP144	112	2	3.6	11	0	1	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F100ZET6	24	ARM Cortex-M3	512	32	0	LQFP144	112	2	3.6	11	0	1	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101基本型 - 36 MHz																																																			
STM32F101C6T6	36	ARM Cortex-M3	32	6	0	LQFP48	37	2	3.6	2	0	0	0	0	1	10	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101C8T6	36	ARM Cortex-M3	64	10	0	LQFP48/ VFQFPN48	36	2	3.6	3	0	0	0	0	1	10	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101C8U6	36	ARM Cortex-M3	64	10	0	LQFP48/ VFQFPN48	36	2	3.6	3	0	0	0	0	1	10	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101CBT6	36	ARM Cortex-M3	128	16	0	LQFP48	36	2	3.6	3	0	0	0	0	1	10	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101CBU6	36	ARM Cortex-M3	128	16	0	UFQFPN48	36	2	3.6	3	0	0	0	0	1	10	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101R4T6	36	ARM Cortex-M3	16	4	0	LQFP64	51	2	3.6	2	0	0	0	0	1	10	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101R6T6	36	ARM Cortex-M3	32	6	0	LQFP64	51	2	3.6	2	0	0	0	0	1	10	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101R8T6	36	ARM Cortex-M3	64	10	0	LQFP64	51	2	3.6	3	0	0	0	0	1	16	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101RBH6	36	ARM Cortex-M3	128	16	0	LQFP64/ TFBGA64	51	2	3.6	3	0	0	0	0	1	16	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101RBT6	36	ARM Cortex-M3	128	16	0	LQFP64/ TFBGA64	51	2	3.6	3	0	0	0	0	1	16	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101RCT6	36	ARM Cortex-M3	256	32	0	LQFP64	51	2	3.6	6	0	0	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101RDT6	36	ARM Cortex-M3	384	48	0	LQFP64	51	2	3.6	6	0	0	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101RET6	36	ARM Cortex-M3	512	48	0	LQFP64	51	2	3.6	6	0	0	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101RFT6	36	ARM Cortex-M3	768	80	0	LQFP64	51	2	3.6	12	0	0	0	0	2	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101RGT6	36	ARM Cortex-M3	1024	80	0	LQFP64	51	2	3.6	12	0	0	0	0	2	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101T4U6	36	ARM Cortex-M3	16	4	0	VFQFPN36	26	2	3.6	2	0	0	0	0	1	10	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101T6U6	36	ARM Cortex-M3	32	6	0	VFQFPN36	26	2	3.6	2	0	0	0	0	1	10	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F1系列 – ARM® Cortex®-M3基础型MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F101T8U6	36	ARM Cortex-M3	64	10	0	VFQFPN36	26	2	3.6	3	0	0	0	0	1	10	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101TBU6	36	ARM Cortex-M3	128	16	0	VFQFPN36	26	2	3.6	3	0	0	0	0	1	10	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101V8T6	36	ARM Cortex-M3	64	10	0	LQFP100	80	2	3.6	3	0	0	0	0	1	16	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101VBT6	36	ARM Cortex-M3	128	16	0	LQFP100	80	2	3.6	3	0	0	0	0	1	16	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101VCT6	36	ARM Cortex-M3	256	32	0	LQFP100	80	2	3.6	6	0	0	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101VDT6	36	ARM Cortex-M3	384	48	0	LQFP100	80	2	3.6	6	0	0	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101VET6	36	ARM Cortex-M3	512	48	0	LQFP100	80	2	3.6	6	0	0	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101VFT6	36	ARM Cortex-M3	768	80	0	LQFP100	80	2	3.6	12	0	0	0	0	2	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101VGT6	36	ARM Cortex-M3	1024	80	0	LQFP100	80	2	3.6	12	0	0	0	0	2	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101ZCT6	36	ARM Cortex-M3	256	32	0	LQFP144	112	2	3.6	6	0	0	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101ZDT6	36	ARM Cortex-M3	384	48	0	LQFP144	112	2	3.6	6	0	0	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101ZET6	36	ARM Cortex-M3	512	48	0	LQFP144	112	2	3.6	6	0	0	0	0	1	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101ZFT6	36	ARM Cortex-M3	768	80	0	LQFP64	112	2	3.6	12	0	0	0	0	2	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F101ZGT6	36	ARM Cortex-M3	1024	80	0	LQFP144	112	2	3.6	12	0	0	0	0	2	16	0	0	2	0	0	3	0	0	2	0	3+2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F102 USB产品线 - 48 MHz																																																		
STM32F102C4T6	48	ARM Cortex-M3	16	4	0	LQFP48	37	2	3.6	2	0	0	0	0	1	10	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F102C6T6	48	ARM Cortex-M3	32	6	0	LQFP48	37	2	3.6	2	0	0	0	0	1	10	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F102C8T6	48	ARM Cortex-M3	64	10	0	LQFP48	36	2	3.6	3	0	0	0	0	1	10	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F102CBT6	48	ARM Cortex-M3	128	16	0	LQFP48	36	2	3.6	3	0	0	0	0	1	10	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F102R4T6	48	ARM Cortex-M3	16	4	0	LQFP64	51	2	3.6	2	0	0	0	0	1	16	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F102R6T6	48	ARM Cortex-M3	32	6	0	LQFP64	51	2	3.6	2	0	0	0	0	1	16	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F1系列 – ARM® Cortex®-M3基础型MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F102R8T6	48	ARM Cortex-M3	64	10	0	LQFP64	51	2	3.6	3	0	0	0	0	1	16	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F102RBT6	48	ARM Cortex-M3	128	16	0	LQFP64	51	2	3.6	3	0	0	0	0	1	16	0	0	0	0	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103 产品线 - 72 MHz																																																		
STM32F103C4T6	72	ARM Cortex-M3	16	6	0	LQFP48	37	2	3.6	3	0	1	0	0	2	10	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103C4U6	72	ARM Cortex-M3	16	6	0	UFQFPN48	37	2	3.6	3	0	1	0	0	2	10	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103C6U6	72	ARM Cortex-M3	32	10	0	UFQFPN48	37	2	3.6	3	0	1	0	0	2	10	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103R4H6	72	ARM Cortex-M3	16	6	0	TFBGA64	51	2	3.6	3	0	1	0	0	2	16	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103R4T6	72	ARM Cortex-M3	16	6	0	LQFP64	51	2	3.6	3	0	1	0	0	2	16	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103T4U6	72	ARM Cortex-M3	16	6	0	VFQFPN36	26	2	3.6	3	0		0	0	2	10	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103C6T6	72	ARM Cortex-M3	32	10	0	LQFP48	37	2	3.6	3	0	1	0	0	2	10	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103R6H6	72	ARM Cortex-M3	32	10	0	TFBGA64	51	2	3.6	3	0	1	0	0	2	16	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103R6T6	72	ARM Cortex-M3	32	10	0	LQFP64	51	2	3.6	3	0	1	0	0	2	16	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103T6U6	72	ARM Cortex-M3	32	10	0	VFQFPN36	26	2	3.6	3	0	1	0	0	2	10	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103C8T6	72	ARM Cortex-M3	64	20	0	LQFP48	36	2	3.6	4	0	1	0	0	2	10	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103C8U6	72	ARM Cortex-M3	64	20	0	UFQFPN48	37	2	3.6	4	0	1	0	0	2	10	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103CBT6	72	ARM Cortex-M3	128	20	0	LQFP48/ VFQFPN48	36	2	3.6	4	0	1	0	0	2	10	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103CBU6	72	ARM Cortex-M3	128	20	0	LQFP48/ VFQFPN48	36	2	3.6	4	0	1	0	0	2	10	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0
STM32F103R8H6	72	ARM Cortex-M3	64	20	0	LQFP64/ TFBGA64	51	2	3.6	4	0	1	0	0	2	16	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103R8T6	72	ARM Cortex-M3	64	20	0	LQFP64/ TFBGA64	51	2	3.6	4	0	1	0	0	2	16	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103RBH6	72	ARM Cortex-M3	128	20	0	LQFP64/ TFBGA64	51	2	3.6	4	0	1	0	0	2	16	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103RBT6	72	ARM Cortex-M3	128	20	0	LQFP64/ TFBGA64	51	2	3.6	4	0	1	0	0	2	16	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F1系列 – ARM® Cortex®-M3基础型MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F103RCT6	72	ARM Cortex-M3	256	48	0	LQFP64/ WLCSP64	51	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103RCY6	72	ARM Cortex-M3	256	48	0	WLCSP64	51	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103RDT6	72	ARM Cortex-M3	384	64	0	LQFP64/ WLCSP64	51	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103RDY6	72	ARM Cortex-M3	384	64	0	WLCSP64	51	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103RET6	72	ARM Cortex-M3	512	64	0	LQFP64/ WLCSP64	51	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103REY6	72	ARM Cortex-M3	512	64	0	WLCSP64	51	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103RFT6	72	ARM Cortex-M3	768	96	0	LQFP64	51	2	3.6	12	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103RGT6	72	ARM Cortex-M3	1024	96	0	LQFP64	51	2	3.6	12	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103T8U6	72	ARM Cortex-M3	64	20	0	VFQFPN36	26	2	3.6	4	0	1	0	0	2	10	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103TBU6	72	ARM Cortex-M3	128	20	0	VFQFPN36	80	2	3.6	4	0	1	0	0	2	10	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103V8H6	72	ARM Cortex-M3	64	20	0	LFBGA100/ LQFP100	80	2	3.6	4	0	1	0	0	2	16	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103V8I6	72	ARM Cortex-M3	64	20	0	UFBGA100	80	2	3.6	4	0	1	0	0	2	16	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103V8T6	72	ARM Cortex-M3	64	20	0	LFBGA100/ LQFP100	80	2	3.6	4	0	1	0	0	2	16	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103VBH6	72	ARM Cortex-M3	128	20	0	LFBGA100/ LQFP100	80	2	3.6	4	0	1	0	0	2	10	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103VBI6	72	ARM Cortex-M3	128	20	0	LFBGA100/ LQFP100	80	2	3.6	4	0	1	0	0	2	10	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103VBT6	72	ARM Cortex-M3	128	20	0	LFBGA100/ LQFP100	80	2	3.6	4	0	1	0	0	2	10	0	0	0	0	0	2	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103VCH6	72	ARM Cortex-M3	256	48	0	LFBGA100/ LQFP100	80	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103VCT6	72	ARM Cortex-M3	256	48	0	LFBGA100/ LQFP100	80	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103VDH6	72	ARM Cortex-M3	384	64	0	LFBGA100/ LQFP100	80	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103VDT6	72	ARM Cortex-M3	384	64	0	LFBGA100/ LQFP100	80	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103VEH6	72	ARM Cortex-M3	512	64	0	LFBGA100/ LQFP100	80	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F1系列 – ARM® Cortex®-M3基础型MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F103VET6	72	ARM Cortex-M3	512	64	0	LFBGA100/ LQFP100	80	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103VFT6	72	ARM Cortex-M3	768	96	0	LQFP100	51	2	3.6	14	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103VGT6	72	ARM Cortex-M3	1024	96	0	LQFP100	80	2	3.6	14	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103ZCH6	72	ARM Cortex-M3	256	48	0	LFBGA144/ LQFP144	112	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103ZCT6	72	ARM Cortex-M3	256	48	0	LFBGA144/ LQFP144	112	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103ZDH6	72	ARM Cortex-M3	384	64	0	LFBGA144/ LQFP144	112	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103ZDT6	72	ARM Cortex-M3	384	64	0	LFBGA144/ LQFP144	112	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103ZEH6	72	ARM Cortex-M3	512	64	0	LFBGA144/ LQFP144	112	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103ZET6	72	ARM Cortex-M3	512	64	0	LFBGA144/ LQFP144	112	2	3.6	8	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103ZFH6	72	ARM Cortex-M3	768	96	0	LFBGA144/ LQFP144	112	2	3.6	14	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103ZFT6	72	ARM Cortex-M3	768	96	0	LFBGA144/ LQFP144	112	2	3.6	14	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103ZGH6	72	ARM Cortex-M3	1024	96	0	LFBGA144/ LQFP144	112	2	3.6	14	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F103ZGT6	72	ARM Cortex-M3	1024	96	0	LFBGA144/ LQFP144	112	2	3.6	14	0	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	3+2	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F105 / 107产品线 - 72 MHz																																																				
STM32F105R8T6	72	ARM Cortex-M3	64	64	0	LQFP64	51	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	2	0	3+2	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F105RBT6	72	ARM Cortex-M3	128	64	0	LQFP64	51	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	2	0	3+2	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F105RCT6	72	ARM Cortex-M3	256	64	0	LQFP64	51	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	2	0	3+2	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F105V8T6	72	ARM Cortex-M3	64	64	0	LQFP100	80	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	2	0	3+2	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F105VBH6	72	ARM Cortex-M3	128	64	0	LFBGA100/ LQFP100	80	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	2	0	3+2	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F105VBT6	72	ARM Cortex-M3	128	64	0	LFBGA100/ LQFP100	80	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	2	0	3+2	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F105VCT6	72	ARM Cortex-M3	256	64	0	LQFP100	80	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	2	0	3+2	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F1系列 – ARM® Cortex®-M3基础型MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F107RBT6	72	ARM Cortex-M3	128	64	0	LQFP64	51	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	2	0	3+2	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F107RCT6	72	ARM Cortex-M3	256	64	0	LQFP64	51	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	2	0	3+2	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F107VBT6	72	ARM Cortex-M3	128	64	0	LQFP100	80	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	2	0	3+2	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F107VCH6	72	ARM Cortex-M3	256	64	0	LFBGA100/ LQFP100	80	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	2	0	3+2	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F107VCT6	72	ARM Cortex-M3	256	64	0	LFBGA100/ LQFP100	80	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	2	0	3+2	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F3系列 – ARM® Cortex®-M4混合信号MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F301基本型 - 72 MHz																																																		
STM32F301C6T6	72	ARM Cortex-M4	32	16	0	LQFP48	37	2	3.6	5	1	1	0	0	1	11	0	0	1	3	1	2	0	2	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F301C6Y6	72	ARM Cortex-M4	32	16	0	WLCSP49	37	2	3.6	5	1	1	0	0	1	11	0	0	1	3	1	2	0	2	3	[3]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F301C8T6	72	ARM Cortex-M4	64	16	0	LQFP48	37	2	3.6	5	1	1	0	0	1	11	0	0	1	3	1	2	0	2	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F301C8Y6	72	ARM Cortex-M4	64	16	0	WLCSP49	37	2	3.6	5	1	1	0	0	1	11	0	0	1	3	1	2	0	2	3	[3]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F301K6U6	72	ARM Cortex-M4	32	16	0	UFQFPN32	24	2	3.6	5	1	1	0	0	1	8	0	0	1	2	1	2	0	2	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F301K8U6	72	ARM Cortex-M4	64	16	0	UFQFPN32	24	2	3.6	5	1	1	0	0	1	8	0	0	1	2	1	2	0	2	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F301R6T6	72	ARM Cortex-M4	32	16	0	LQFP64	51	2	3.6	5	1	1	0	0	1	15	0	0	1	3	1	2	0	2	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F301R8T6	72	ARM Cortex-M4	64	16	0	LQFP64	51	2	3.6	5	1	1	0	0	1	15	0	0	1	3	1	2	0	2	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302 USB产品线 - 72 MHz																																																		
STM32F302C6T6	72	ARM Cortex-M4	32	16	0	LQFP48	37	2	3.6	5	1	1	0	0	1	11	0	0	1	3	1	2	0	2	3	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302C6Y6	72	ARM Cortex-M4	32	16	0	WLCSP49	37	2	3.6	5	1	1	0	0	1	11	0	0	1	3	1	2	0	2	3	[3]	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302C8T6	72	ARM Cortex-M4	64	16	0	LQFP48	37	2	3.6	5	1	1	0	0	1	11	0	0	1	3	1	2	0	2	3	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302C8Y6	72	ARM Cortex-M4	64	16	0	WLCSP49	37	2	3.6	5	1	1	0	0	1	11	0	0	1	3	1	2	0	2	3	[3]	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302CBT6	72	ARM Cortex-M4	128	32	0	LQFP48	37	2	3.6	7	1	1	0	0	2	9	0	0	1	4	2	3	0	2	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302CCT6	72	ARM Cortex-M4	256	40	0	LQFP48	37	2	3.6	7	1	1	0	0	2	9	0	0	1	4	2	3	0	2	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302K6U6	72	ARM Cortex-M4	32	16	0	UFQFPN32	24	2	3.6	5	1	1	0	0	1	8	0	0	1	2	1	2	0	2	3	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302K8U6	72	ARM Cortex-M4	64	16	0	UFQFPN32	24	2	3.6	5	1	1	0	0	1	8	0	0	1	2	1	2	0	2	3	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302R6T6	72	ARM Cortex-M4	32	16	0	LQFP64	51	2	3.6	5	1	1	0	0	1	15	0	0	1	3	1	2	0	2	3	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302R8T6	72	ARM Cortex-M4	64	16	0	LQFP64	51	2	3.6	5	1	1	0	0	1	15	0	0	1	3	1	2	0	2	3	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302RBT6	72	ARM Cortex-M4	128	32	0	LQFP64	52	2	3.6	7	1	1	0	0	2	16	0	0	1	4	2	3	0	2	2	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F3系列 – ARM® Cortex®-M4混合信号MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F302RCT6	72	ARM Cortex-M4	256	40	0	LQFP64	52	2	3.6	7	1	1	0	0	2	16	0	0	1	4	2	3	0	2	2	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302RDT6	72	ARM Cortex-M4	384	64	0	LQFP64	51	2	3.6	7	1	1	0	0	2	16	0	0	1	4	2	4	0	2	3	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302RET6	72	ARM Cortex-M4	512	64	0	LQFP64	51	2	3.6	7	1	1	0	0	2	16	0	0	1	4	2	4	0	2	3	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302VBY6	72	ARM Cortex-M4	128	32	0	WLCSP100	77	2	3.6	7	1	1	0	0	2	17	0	0	1	4	2	3	0	2	2	[2]	3+2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302VBT6	72	ARM Cortex-M4	128	32	0	LQFP100	87	2	3.6	7	1	1	0	0	2	17	0	0	1	4	2	3	0	2	2	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302VCT6	72	ARM Cortex-M4	256	40	0	LQFP100	87	2	3.6	7	1	1	0	0	2	17	0	0	1	4	2	3	0	2	2	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302VCY6	72	ARM Cortex-M4	256	40	0	WLCSP100	77	2	3.6	1	1	1	0	0	2	17	0	0	1	4	2	3	0	2	2	[2]	3+2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302VDH6	72	ARM Cortex-M4	384	64	0	UFBGA100	86	2	3.6	7	1	1	0	0	2	17	0	0	1	4	2	4	0	2	3	0	5	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302VDT6	72	ARM Cortex-M4	384	64	0	LQFP100	86	2	3.6	7	1	1	0	0	2	17	0	0	1	4	2	4	0	2	3	0	5	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302VDY6	72	ARM Cortex-M4	384	64	0	WLCSP100	77	2	3.6	7	1	1	0	0	2	17	0	0	1	4	2	4	0	2	3	[3]	3+2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302VEH6	72	ARM Cortex-M4	512	64	0	UFBGA100	86	2	3.6	7	1	1	0	0	2	17	0	0	1	4	2	4	0	2	3	0	5	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302VET6	72	ARM Cortex-M4	512	64	0	LQFP100	86	2	3.6	7	1	1	0	0	2	17	0	0	1	4	2	4	0	2	3	0	5	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302VEY6	72	ARM Cortex-M4	512	64	0	WLCSP100	77	2	3.6	7	1	1	0	0	2	17	0	0	1	4	2	4	0	2	3	[3]	3+2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302ZDT6	72	ARM Cortex-M4	384	64	0	LQFP144	115	2	3.6	7	1	1	0	0	2	18	0	0	1	4	2	4	0	2	3	0	5	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F302ZET6	72	ARM Cortex-M4	512	64	0	LQFP144	115	2	3.6	7	1	1	0	0	2	18	0	0	1	4	2	4	0	2	3	0	5	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303产品线 - 72 MHz																																																			
STM32F303C6T6	72	ARM Cortex-M4	32	16	0	LQFP48	37	2	3.6	7	1	1	0	0	2	15	0	0	3	3	1	1	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303C8T6	72	ARM Cortex-M4	64	16	0	LQFP48	37	2	3.6	7	1	1	0	0	2	15	0	0	3	3	1	1	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303CBT6	72	ARM Cortex-M4	128	40	0	LQFP48	37	2	3.6	9	1	2	0	0	4	15	0	0	2	7	4	3	0	2	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303CCT6	72	ARM Cortex-M4	256	48	0	LQFP48	37	2	3.6	9	1	2	0	0	4	15	0	0	2	7	4	3	0	2	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303K6T6	72	ARM Cortex-M4	32	16	0	LQFP32	25	2	3.6	7	1	1	0	0	2	9	0	0	3	2	1	1	0	0	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F3系列 – ARM® Cortex®-M4混合信号MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F303K8T6	72	ARM Cortex-M4	64	16	0	LQFP32	25	2	3.6	7	1	1	0	0	2	9	0	0	3	2	1	1	0	0	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303R6T6	72	ARM Cortex-M4	32	16	0	LQFP64	51	2	3.6	7	1	1	0	0	2	21	0	0	3	3	1	1	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303R8T6	72	ARM Cortex-M4	64	16	0	LQFP64	51	2	3.6	7	1	1	0	0	2	21	0	0	3	3	1	1	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303RBT6	72	ARM Cortex-M4	128	40	0	LQFP64	52	2	3.6	9	1	2	0	0	4	22	0	0	2	7	4	3	0	2	2	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303RCT6	72	ARM Cortex-M4	256	48	0	LQFP64	52	2	3.6	9	1	2	0	0	4	22	0	0	2	7	4	3	0	2	2	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303RDT6	72	ARM Cortex-M4	384	80	0	LQFP64	51	2	3.6	10	1	2	0	0	4	22	0	0	2	7	4	4	0	2	3	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303RET6	72	ARM Cortex-M4	512	80	0	LQFP64	51	2	3.6	10	1	2	0	0	4	22	0	0	2	7	4	4	0	2	3	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303VBT6	72	ARM Cortex-M4	128	40	0	LQFP100	87	2	3.6	9	1	2	0	0	4	39	0	0	2	7	4	3	0	2	2	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303VBY6	72	ARM Cortex-M4	128	40	0	WLCSP100	77	2	3.6	9	1	2	0	0	4	32	0	0	2	7	4	3	0	2	2	[2]	3+2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303VCT6	72	ARM Cortex-M4	256	48	0	LQFP100	87	2	3.6	9	1	2	0	0	4	39	0	0	2	7	4	3	0	2	2	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303VCY6	72	ARM Cortex-M4	256	48	0	WLCSP100	77	2	3.6	9	1	2	0	0	4	32	0	0	2	7	4	3	0	2	2	[2]	3+2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303VDH6	72	ARM Cortex-M4	384	80	0	UFBGA100	84	2	3.6	10	1	3	0	0	4	39	0	0	2	7	4	4	0	2	3	0	5	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303VDT6	72	ARM Cortex-M4	384	80	0	LQFP100	86	2	3.6	10	1	3	0	0	4	39	0	0	2	7	4	4	0	2	3	0	5	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303VDY6	72	ARM Cortex-M4	384	80	0	WLCSP100	77	2	3.6	10	1	3	0	0	4	33	0	0	2	7	4	4	0	2	3	[3]	3+2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303VEH6	72	ARM Cortex-M4	512	80	0	UFBGA100	84	2	3.6	10	1	3	0	0	4	39	0	0	2	7	4	4	0	2	3	0	5	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303VET6	72	ARM Cortex-M4	512	80	0	LQFP100	86	2	3.6	10	1	3	0	0	4	39	0	0	2	7	4	4	0	2	3	0	5	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303VEY6	72	ARM Cortex-M4	512	80	0	WLCSP100	77	2	3.6	10	1	3	0	0	4	33	0	0	2	7	4	4	0	2	3	[3]	3+2	0	1	0	1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303ZDT6	72	ARM Cortex-M4	384	80	0	LQFP144	115	2	3.6	10	1	3	0	0	4	40	0	0	2	7	4	4	0	2	3	0	5	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F303ZET6	72	ARM Cortex-M4	512	80	0	LQFP144	115	2	3.6	10	1	3	0	0	4	40	0	0	2	7	4	4	0	2	3	0	5	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F373产品线 - 72 MHz																																																			
STM32F373C8T6	72	ARM Cortex-M4	64	16	0	LQFP48	36	2	3.6	12	2	0	0	0	1	9	3	8	3	2	0	3	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F3系列 – ARM® Cortex®-M4混合信号MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F373CBT6	72	ARM Cortex-M4	128	24	0	LQFP48	36	2	3.6	12	2	0	0	0	1	9	3	8	3	2	0	3	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F373CCT6	72	ARM Cortex-M4	256	32	0	LQFP48	36	2	3.6	12	2	0	0	0	1	9	3	8	3	2	0	3	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F373R8T6	72	ARM Cortex-M4	64	16	0	LQFP64	52	2	3.6	12	2	0	0	0	1	16	3	8	3	2	0	3	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F373RBT6	72	ARM Cortex-M4	128	24	0	LQFP64	52	2	3.6	12	2	0	0	0	1	16	3	8	3	2	0	3	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F373RCT6	72	ARM Cortex-M4	256	32	0	LQFP64	52	2	3.6	12	2	0	0	0	1	16	3	8	3	2	0	3	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F373V8H6	72	ARM Cortex-M4	64	16	0	UFBGA100	84	2	3.6	12	2	0	0	0	1	16	3	21	3	2	0	3	0	3	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F373V8T6	72	ARM Cortex-M4	64	16	0	LQFP100	84	2	3.6	12	2	0	0	0	1	16	3	21	3	2	0	3	0	3	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F373VBH6	72	ARM Cortex-M4	128	24	0	UFBGA100	84	2	3.6	12	2	0	0	0	1	16	3	21	3	2	0	3	0	3	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F373VBT6	72	ARM Cortex-M4	128	24	0	LQFP100	84	2	3.6	12	2	0	0	0	1	16	3	21	3	2	0	3	0	3	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F373VCH6	72	ARM Cortex-M4	256	32	0	UFBGA100	84	2	3.6	12	2	0	0	0	1	16	3	21	3	2	0	3	0	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F373VCT6	72	ARM Cortex-M4	256	32	0	LQFP100	84	2	3.6	12	2	0	0	0	1	16	3	21	3	2	0	3	0	3	2	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F3x4数字电源产品线 - 72 MHz																																																			
STM32F334C4T6	72	ARM Cortex-M4	16	16	0	LQFP48	37	2	3.6	7	1	1	0	0	2	15	0	0	3	3	1	1	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F334C6T6	72	ARM Cortex-M4	32	16	0	LQFP48	37	2	3.6	7	1	1	0	0	2	15	0	0	3	3	1	1	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F334C8T6	72	ARM Cortex-M4	64	16	0	LQFP48	37	2	3.6	7	1	1	0	0	2	15	0	0	3	3	1	1	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F334K4T6	72	ARM Cortex-M4	16	16	0	LQFP32	25	2	3.6	7	1	1	0	0	2	9	0	0	3	2	1	1	0	0	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F334K6T6	72	ARM Cortex-M4	32	16	0	LQFP32	25	2	3.6	7	1	1	0	0	2	9	0	0	3	2	1	1	0	0	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F334K8T6	72	ARM Cortex-M4	64	16	0	LQFP32	25	2	3.6	7	1	1	0	0	2	9	0	0	3	2	1	1	0	0	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F334R4T6	72	ARM Cortex-M4	16	16	0	LQFP64	51	2	3.6	7	1	1	0	1	2	21	0	0	3	3	1	1	0	0	1	[1]	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F334R6T6	72	ARM Cortex-M4	32	16	0	LQFP64	51	2	3.6	7	1	1	0	0	2	21	0	0	3	3	1	1	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F334R8T6	72	ARM Cortex-M4	64	16	0	LQFP64	51	2	3.6	7	1	1	0	0	2	21	0	0	3	3	1	1	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F3系列 – ARM® Cortex®-M4混合信号MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F3x8产品线(1.8V) - 72 MHz																																																		
STM32F318C8T6	72	ARM Cortex-M4	64	16	0	LQFP48	37	1.65	1.95	5	1	1	0	0	1	11	0	0	1	3	1	2	0	2	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F318C8Y6	72	ARM Cortex-M4	64	16	0	WLCSP49	36	1.65	1.95	5	1	1	0	0	1	11	0	0	1	3	1	2	0	2	3	[3]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F318K8U6	72	ARM Cortex-M4	64	16	0	UFQFPN32	24	1.65	1.95	5	1	1	0	0	1	8	0	0	1	2	1	2	0	2	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F328C8T6	72	ARM Cortex-M4	64	16	0	LQFP48	36	1.65	1.95	7	1	1	0	0	2	14	0	0	3	3	1	1	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F358CCT6	72	ARM Cortex-M4	256	48	0	LQFP48	36	1.65	1.95	7	1	2	0	0	4	14	0	0	2	7	4	3	0	2	2	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F358RCT6	72	ARM Cortex-M4	256	48	0	LQFP64	51	1.65	1.95	7	1	2	0	0	4	21	0	0	2	7	4	3	0	2	2	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F358VCT6	72	ARM Cortex-M4	256	48	0	LQFP100	86	1.65	1.95	7	1	2	0	0	4	38	0	0	2	7	4	3	0	2	2	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F378CCT6	72	ARM Cortex-M4	256	32	0	LQFP48	36	1.65	1.95	12	2	0	0	0	1	9	3	8	3	2	0	3	0	0	2	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F378RCT6	72	ARM Cortex-M4	256	32	0	LQFP64	51	1.65	1.95	12	2	0	0	0	1	16	3	8	3	2	0	3	0	0	2	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F378RCY6	72	ARM Cortex-M4	256	32	0	WLCSP66	51	1.65	1.95	12	2	0	0	0	1	16	3	7	3	2	0	3	0	0	2	[2]	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F378VCH6	72	ARM Cortex-M4	256	32	0	UFBGA100	84	1.65	1.95	12	2	0	0	0	1	16	3	21	3	2	0	3	0	0	2	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F378VCT6	72	ARM Cortex-M4	256	32	0	LQFP100	84	1.65	1.95	12	2	0	0	0	1	16	3	21	3	2	0	3	0	3	2	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F398VET6	72	ARM Cortex-M4	512	80	0	LQFP100	85	1.65	1.95	10	1	3	0	0	4	38	0	0	2	7	4	4	0	2	3	0	5	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F2系列 – ARM® Cortex®-M3高性能MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F2x5产品线 - 120 MHz																																																		
STM32F205RBT6	120	ARM Cortex-M3	128	64	0	LQFP64	51	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205RCT6	120	ARM Cortex-M3	256	96	0	LQFP64	51	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205RET6	120	ARM Cortex-M3	512	128	0	LQFP64	51	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205REY6	120	ARM Cortex-M3	512	128	0	WLCSP64	51	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205RFT6	120	ARM Cortex-M3	768	128	0	LQFP64	51	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205RGT6	120	ARM Cortex-M3	1024	128	0	LQFP64	51	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205RGY6	120	ARM Cortex-M3	1024	128	0	WLCSP64	51	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205VBT6	120	ARM Cortex-M3	128	64	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205VCT6	120	ARM Cortex-M3	256	96	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205VET6	120	ARM Cortex-M3	512	128	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205VFT6	120	ARM Cortex-M3	768	128	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205VGT6	120	ARM Cortex-M3	1024	128	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205ZCT6	120	ARM Cortex-M3	256	96	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205ZET6	120	ARM Cortex-M3	512	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205ZFT6	120	ARM Cortex-M3	768	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F205ZGT6	120	ARM Cortex-M3	1024	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F215RET6	120	ARM Cortex-M3	512	128	0	LQFP64	51	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
STM32F215RGT6	120	ARM Cortex-M3	1024	128	0	LQFP64	51	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
STM32F215VET6	120	ARM Cortex-M3	512	128	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
STM32F215VGT6	120	ARM Cortex-M3	1024	128	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0

STM32 F2系列 – ARM® Cortex®-M3高性能MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F215ZET6	120	ARM Cortex-M3	512	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
STM32F215ZGT6	120	ARM Cortex-M3	1024	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
STM32F2x7产品线 - 120 MHz																																																		
STM32F207ICH6	120	ARM Cortex-M3	256	128	0	UFBGA176	140	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207ICT6	120	ARM Cortex-M3	256	128	0	UFBGA176	140	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207IEH6	120	ARM Cortex-M3	512	128	0	UFBGA176	140	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207IET6	120	ARM Cortex-M3	512	128	0	UFBGA176	140	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207IFH6	120	ARM Cortex-M3	768	128	0	UFBGA176	140	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207IFT6	120	ARM Cortex-M3	768	128	0	UFBGA176	140	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207IGH6	120	ARM Cortex-M3	1024	128	0	UFBGA176	140	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207IGT6	120	ARM Cortex-M3	1024	128	0	LQFP176	140	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207VCT6	120	ARM Cortex-M3	256	128	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207VET6	120	ARM Cortex-M3	512	128	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207VFT6	120	ARM Cortex-M3	768	128	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207VGT6	120	ARM Cortex-M3	1024	128	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207ZCT6	120	ARM Cortex-M3	256	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207ZET6	120	ARM Cortex-M3	512	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207ZFT6	120	ARM Cortex-M3	768	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F207ZGT6	120	ARM Cortex-M3	1024	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F217IEH6	120	ARM Cortex-M3	512	128	0	UFBGA176	140	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0
STM32F217IET6	120	ARM Cortex-M3	512	128	0	LQFP176	140	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0

STM32 F2系列 – ARM® Cortex®-M3高性能MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F217IGH6	120	ARM Cortex-M3	1024	128	0	UFBGA176	140	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0
STM32F217IGT6	120	ARM Cortex-M3	1024	128	0	LQFP176	140	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0
STM32F217VET6	120	ARM Cortex-M3	512	128	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0
STM32F217VGT6	120	ARM Cortex-M3	1024	128	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0
STM32F217ZET6	120	ARM Cortex-M3	512	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0
STM32F217ZGT6	120	ARM Cortex-M3	1024	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	2	0	4+2	0	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0

STM32 F4系列 – ARM® Cortex®-M4高性能MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F401入门型 - 84 MHz																																																		
STM32F401CBU6	84	ARM Cortex-M4	128	64	0	WLCSP49/ UFQFPN48	36	1.73	3.6	6	2	1	0	0	1	10	0	0	0	0	0	3	0	2	3	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401CBY6	84	ARM Cortex-M4	128	64	0	WLCSP49	36	1.7	3.6	6	2	1	0	0	1	10	0	0	0	0	0	3	0	2	3	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401CCU6	84	ARM Cortex-M4	256	64	0	WLCSP49/ UFQFPN48	36	1.73	3.6	6	2	1	0	0	1	10	0	0	0	0	0	3	0	2	3	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401CCY6	84	ARM Cortex-M4	256	64	0	WLCSP49	36	1.7	3.6	6	2	1	0	0	1	10	0	0	0	0	0	3	0	2	3	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401CDU6	84	ARM Cortex-M4	384	96	0	WLCSP49/ UFQFPN48	36	1.73	3.6	6	2	1	0	0	1	10	0	0	0	0	0	3	0	2	3	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401CDY6	84	ARM Cortex-M4	384	96	0	WLCSP49	36	1.7	3.6	6	2	1	0	0	1	10	0	0	0	0	0	3	0	2	3	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401CEU6	84	ARM Cortex-M4	512	96	0	WLCSP49/ UFQFPN48	36	1.73	3.6	6	2	1	0	0	1	10	0	0	0	0	0	3	0	2	3	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401CEY6	84	ARM Cortex-M4	512	96	0	WLCSP49	36	1.7	3.6	6	2	1	0	0	1	10	0	0	0	0	0	3	0	2	3	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401RBT6	84	ARM Cortex-M4	128	64	0	LQFP64	50	1.73	3.6	6	2	1	0	0	1	16	0	0	0	0	0	3	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401RCT6	84	ARM Cortex-M4	256	64	0	LQFP64	50	1.73	3.6	6	2	1	0	0	1	16	0	0	0	0	0	3	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401RDT6	84	ARM Cortex-M4	384	96	0	LQFP64	50	1.73	3.6	6	2	1	0	0	1	16	0	0	0	0	0	3	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401RET6	84	ARM Cortex-M4	512	96	0	LQFP64	50	1.73	3.6	6	2	1	0	0	1	16	0	0	0	0	0	3	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401VBH6	84	ARM Cortex-M4	128	64	0	LQFP100/ UFBGA100	81	1.73	3.6	6	2	1	0	0	1	16	0	0	0	0	0	4	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401VBT6	84	ARM Cortex-M4	128	64	0	LQFP100/ UFBGA100	81	1.73	3.6	6	2	1	0	0	1	16	0	0	0	0	0	4	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401VCH6	84	ARM Cortex-M4	256	64	0	LQFP100/ UFBGA100	81	1.73	3.6	6	2	1	0	0	1	16	0	0	0	0	0	4	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401VCT6	84	ARM Cortex-M4	256	64	0	LQFP100/ UFBGA100	81	1.73	3.6	6	2	1	0	0	1	16	0	0	0	0	0	4	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401VDH6	84	ARM Cortex-M4	384	96	0	LQFP100/ UFBGA100	81	1.73	3.6	6	2	1	0	0	1	16	0	0	0	0	0	4	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401VDT6	84	ARM Cortex-M4	384	96	0	LQFP100/ UFBGA100	81	1.73	3.6	6	2	1	0	0	1	16	0	0	0	0	0	4	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401VEH6	84	ARM Cortex-M4	512	96	0	LQFP100/ UFBGA100	81	1.73	3.6	6	2	1	0	0	1	16	0	0	0	0	0	4	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F401VET6	84	ARM Cortex-M4	512	96	0	LQFP100/ UFBGA100	81	1.73	3.6	6	2	1	0	0	1	16	0	0	0	0	0	4	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 F4系列 – ARM® Cortex®-M4高性能MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F410入门型 - 100 MHz																																																		
STM32F410C8U6	100	ARM Cortex-M4	64	32	0	UFQFPN48	36	1.7	3.6	4	1	1	1	0	1	10	0	0	1	0	0	3	0	3	3	[1]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F410CBU6	100	ARM Cortex-M4	128	32	0	UFQFPN48	36	1.7	3.6	5	1	1	1	0	1	16	0	0	1	0	0	3	0	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F410R8T6	100	ARM Cortex-M4	128	32	0	LQFP64	50	1.7	3.6	5	1	1	1	0	1	16	0	0	1	0	0	3	0	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F410RBT6	100	ARM Cortex-M4	128	32	0	LQFP64	50	1.7	3.6	5	1	1	1	0	1	16	0	0	1	0	0	3	0	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F410T8Y6	100	ARM Cortex-M4	64	32	0	WLCSP36	23	1.7	3.6	4	1	1	1	0	1	4	0	0	1	0	0	1	0	1	2	[1]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F410TBY6	100	ARM Cortex-M4	128	32	0	WLCSP36	23	1.7	3.6	4	1	1	1	0	1	4	0	0	1	0	0	1	0	1	2	[1]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F411入门型 - 100 MHz																																																		
STM32F411CCU6	100	ARM Cortex-M4	256	128	0	UFQFPN48	36	1.7	3.6	6	2	1	0	0	1	10	0	0	0	0	0	5	0	5	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F411CCY6	100	ARM Cortex-M4	256	128	0	WLCSP49	36	1.7	3.6	6	2	1	0	0	1	10	0	0	0	0	0	5	0	5	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F411CEU6	100	ARM Cortex-M4	512	128	0	WLCSP49/ UFQFPN48	36	1.7	3.6	6	2	1	0	0	1	12	0	0	0	0	0	3	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F411CEY6	100	ARM Cortex-M4	512	128	0	WLCSP49	36	1.7	3.6	6	2	1	0	0	1	10	0	0	0	0	0	5	0	5	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F411RCT6	100	ARM Cortex-M4	256	128	0	LQFP64	50	1.7	3.6	6	2	1	0	0	1	12	0	0	0	0	0	3	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F411RET6	100	ARM Cortex-M4	512	128	0	LQFP64	50	1.7	3.6	6	2	1	0	0	1	12	0	0	0	0	0	3	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F411VCH6	100	ARM Cortex-M4	256	128	0	LQFP100/ UFBGA100	81	1.7	3.6	6	2	1	0	0	1	12	0	0	0	0	0	4	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F411VCT6	100	ARM Cortex-M4	256	128	0	LQFP100/ UFBGA100	81	1.7	3.6	6	2	1	0	0	1	12	0	0	0	0	0	4	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F411VEH6	100	ARM Cortex-M4	512	128	0	LQFP100/ UFBGA100	81	1.7	3.6	6	2	1	0	0	1	12	0	0	0	0	0	4	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F411VET6	100	ARM Cortex-M4	512	128	0	LQFP100/ UFBGA100	81	1.7	3.6	6	2	1	0	0	1	12	0	0	0	0	0	4	0	2	3	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F412入门型 - 100 MHz																																																		
STM32F412CEU6	100	ARM Cortex-M4	512	256	0	UFQFPN48	36	1.7	3.6	12	2	2	0	0		10	0	0	0	0	0	5	0	5	4	[1]	3	0	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F412RET6	100	ARM Cortex-M4	512	256	0	LQFP64	50	1.7	3.6	12	2	2	0	0	1	16	0	0	0	0	0	5	1	5	4	[1]	4	0	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F412REY6	100	ARM Cortex-M4	512	256	0	WLCSP64	50	1.7	3.6	12	2	2	0	0	1	16	0	0	0	0	0	5	1	5	4	[1]	4	0	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

STM32 F4系列 – ARM® Cortex®-M4高性能MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F412VET6	100	ARM Cortex-M4	512	256	0	LQFP100	81	1.7	3.6	12	2	2	0	0	1	16	0	0	0	0	0	5	1	5	4	[1]	4	0	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F412VEH6	100	ARM Cortex-M4	512	256	0	UFBGA100	81	1.7	3.6	12	2	2	0	0	1	16	0	0	0	0	0	5	1	5	4	[1]	4	0	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F412ZET6	100	ARM Cortex-M4	512	256	0	LQFP144	114	1.7	3.6	12	2	2	0	0	1	16	0	0	0	0	0	5	1	5	4	[1]	4	0	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F412ZEH6	100	ARM Cortex-M4	512	256	0	UFBGA144	114	1.7	3.6	12	2	2	0	0	1	16	0	0	0	0	0	5	1	5	4	[1]	4	0	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F412CGU6	100	ARM Cortex-M4	1024	256	0	UFQFPN48	36	1.7	3.6	12	2	2	0	0	1	10	0	0	0	0	0	5	0	5	4	[1]	3	0	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F412RGT6	100	ARM Cortex-M4	1024	256	0	LQFP64	50	1.7	3.6	12	2	2	0	0	1	16	0	0	0	0	0	5	1	5	4	[1]	4	0	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F412RGY6	100	ARM Cortex-M4	1024	256	0	WLCSP64	50	1.7	3.6	12	2	2	0	0	1	16	0	0	0	0	0	5	1	5	4	[1]	4	0	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F412VGT6	100	ARM Cortex-M4	1024	256	0	LQFP100	81	1.7	3.6	12	2	2	0	0	1	16	0	0	0	0	0	5	1	5	4	[1]	4	0	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F412VGH6	100	ARM Cortex-M4	1024	256	0	UFBGA100	81	1.7	3.6	12	2	2	0	0	1	16	0	0	0	0	0	5	1	5	4	[1]	4	0	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F412ZGT6	100	ARM Cortex-M4	1024	256	0	LQFP144	114	1.7	3.6	12	2	2	0	0	1	16	0	0	0	0	0	5	1	5	4	[1]	4	0	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F412ZGH6	100	ARM Cortex-M4	1024	256	0	UFBGA144	114	1.7	3.6	12	2	2	0	0	1	16	0	0	0	0	0	5	1	5	4	[1]	4	0	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F405 / 415基本型 - 168 MHz																																																		
STM32F4050EY6	168	ARM Cortex-M4	512	192	0	WLCSP90	72	1.8	3.6	12	2	2	0	0	3	13	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F4050GY6	168	ARM Cortex-M4	1024	192	0	WLCSP90	72	1.8	3.6	12	2	2	0	0	3	13	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F405RGT6	168	ARM Cortex-M4	1024	192	0	LQFP64	51	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F405VGT6	168	ARM Cortex-M4	1024	192	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F405ZGT6	168	ARM Cortex-M4	1024	192	0	LQFP144	114	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32F4150GY6	168	ARM Cortex-M4	1024	192	0	WLCSP90	72	1.8	3.6	12	2	2	0	0	3	13	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
STM32F415RGT6	168	ARM Cortex-M4	1024	192	0	LQFP64	51	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
STM32F415VGT6	168	ARM Cortex-M4	1024	192	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
STM32F415ZGT6	168	ARM Cortex-M4	1024	192	0	LQFP144	114	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1

STM32 F4系列 – ARM® Cortex®-M4高性能MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F407 / 417基本型 - 168 MHz																																																		
STM32F407IEH6	168	ARM Cortex-M4	512	192	0	UFBGA176/ LQFP176	140	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F407IET6	168	ARM Cortex-M4	512	192	0	UFBGA176/ LQFP176	140	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F407IGH6	168	ARM Cortex-M4	1024	192	0	UFBGA176/ LQFP176	140	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F407IGT6	168	ARM Cortex-M4	1024	192	0	UFBGA176/ LQFP176	140	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F407VET6	168	ARM Cortex-M4	512	192	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F407VGT6	168	ARM Cortex-M4	1024	192	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F407ZET6	168	ARM Cortex-M4	512	192	0	LQFP144	114	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F407ZGT6	168	ARM Cortex-M4	1024	192	0	LQFP144	114	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STM32F417IEH6	168	ARM Cortex-M4	512	192	0	UFBGA176/ LQFP176	140	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1
STM32F417IET6	168	ARM Cortex-M4	512	192	0	UFBGA176/ LQFP176	140	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1
STM32F417IGH6	168	ARM Cortex-M4	1024	192	0	UFBGA176/ LQFP176	140	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1
STM32F417IGT6	168	ARM Cortex-M4	1024	192	0	UFBGA176/ LQFP176	140	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1
STM32F417VET6	168	ARM Cortex-M4	512	192	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1
STM32F417VGT6	168	ARM Cortex-M4	1024	192	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1
STM32F417ZET6	168	ARM Cortex-M4	512	192	0	LQFP144	114	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1
STM32F417ZGT6	168	ARM Cortex-M4	1024	192	0	LQFP144	114	1.73	3.6	12	2	2	0	0	3	24	0	0	2	0	0	3	0	2	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1
STM32F446基本型 - 180 MHz																																																		
STM32F446MCT6	180	ARM Cortex-M4	512	128	0	WLCSP81	63	1.7	3.6	12	2	2	0	0	3	14	0	0	2	0	0	4	1	3	4	0	4+2	0	2	1	0	0	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F446MCY6	180	ARM Cortex-M4	256	128	0	WLCSP81	63	1.8	3.6	12	2	2	0	0	3	14	0	0	2	0	0	4	1	3	4	[1]	4+2	0	2	1	0	0	0	1	1	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0
STM32F446MET6	180	ARM Cortex-M4	512	128	0	WLCSP81	63	1.7	3.6	12	2	2	0	0	3	14	0	0	2	0	0	4	1	3	4	0	4+2	0	2	1	0	0	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0

STM32 F4系列 – ARM® Cortex®-M4高性能MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F446MEY6	180	ARM Cortex-M4	512	128	0	WLCSP81	63	1.8	3.6	12	2	2	0	0	3	14	0	0	2	0	0	4	1	3	4	[1]	4+2	0	2	1	0	0	0	1	1	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0
STM32F446RCT6	180	ARM Cortex-M4	256	128	0	LQFP64	50	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	4	1	3	4	0	4+2	0	2	1	0	0	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F446RET6	180	ARM Cortex-M4	512	128	0	LQFP64	50	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	4	1	3	4	0	4+2	0	2	1	0	0	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F446VCT6	180	ARM Cortex-M4	256	128	0	LQFP100	81	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	4	1	2	4	0	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F446VET6	180	ARM Cortex-M4	512	128	0	LQFP100	81	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	4	1	3	4	0	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F446ZCH6	180	ARM Cortex-M4	256	128	0	UFBGA144	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	4	1	3	4	0	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F446ZCT6	180	ARM Cortex-M4	256	128	0	LQFP144	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	4	1	3	4	0	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F446ZEH6	180	ARM Cortex-M4	512	128	0	UFBGA144	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	4	1	3	4	0	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F446ZEJ6	180	ARM Cortex-M4	512	128	0	UFBGA144	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	4	1	3	4	0	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F446ZET6	180	ARM Cortex-M4	512	128	0	LQFP144	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	4	1	3	4	0	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F427 / 437高级型 - 180 MHz																																																		
STM32F427AGH6	180	ARM Cortex-M4	1024	256	0	UFBGA169	130	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
STM32F427AIH6	180	ARM Cortex-M4	2048	256	0	UFBGA169	130	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
STM32F427IGH6	180	ARM Cortex-M4	1024	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
STM32F427IGT6	180	ARM Cortex-M4	1024	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
STM32F427IIH6	180	ARM Cortex-M4	2048	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
STM32F427IIT6	180	ARM Cortex-M4	2048	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
STM32F427VGT6	180	ARM Cortex-M4	1024	256	0	LQFP100	82	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
STM32F427VIT6	180	ARM Cortex-M4	2048	256	0	LQFP100	82	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
STM32F427ZGT6	180	ARM Cortex-M4	1024	256	0	LQFP144	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
STM32F427ZGY6	180	ARM Cortex-M4	1024	256	0	WLCSP143	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	1	0	0	0	0

STM32 F4系列 – ARM® Cortex®-M4高性能MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F427ZIT6	180	ARM Cortex-M4	2048	256	0	LQFP144	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
STM32F427ZIY6	180	ARM Cortex-M4	2048	256	0	WLCSP143	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	1	0	0	0	0
STM32F437AIH6	180	ARM Cortex-M4	2048	256	0	UFBGA169	130	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	1	1	1	1
STM32F437IGH6	180	ARM Cortex-M4	1024	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	1	1	1	1
STM32F437IGT6	180	ARM Cortex-M4	1024	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	1	1	1	1
STM32F437IIH6	180	ARM Cortex-M4	2048	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	1	1	1	1
STM32F437IIT6	180	ARM Cortex-M4	2048	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	1	1	1	1
STM32F437VGT6	180	ARM Cortex-M4	1024	256	0	LQFP100	82	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	1	1	1	1
STM32F437VIT6	180	ARM Cortex-M4	2048	256	0	LQFP100	82	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	1	1	1	1
STM32F437ZGT6	180	ARM Cortex-M4	1024	256	0	LQFP144	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	1	1	1	1
STM32F437ZGY6	180	ARM Cortex-M4	1024	256	0	WLCSP143	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	1	1	1	1	1
STM32F437ZIT6	180	ARM Cortex-M4	2048	256	0	LQFP144	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	1	1	1	1
STM32F437ZIY6	180	ARM Cortex-M4	2048	256	0	WLCSP143	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	0	0	1	1	1	0	0	0	0	1	0	0	1	0	1	1	1	1	1
STM32F429 / 439高级型 - 180 MHz																																																		
STM32F429AGH6	180	ARM Cortex-M4	1024	256	0	UFBGA169	130	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429AIH6	180	ARM Cortex-M4	2048	256	0	UFBGA169	130	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429BET6	180	ARM Cortex-M4	512	256	0	LQFP208	168	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429BGT6	180	ARM Cortex-M4	1024	256	0	LQFP208	168	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429BIT6	180	ARM Cortex-M4	2048	256	0	LQFP208	168	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429IEH6	180	ARM Cortex-M4	512	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429IET6	180	ARM Cortex-M4	512	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0

STM32 F4系列 – ARM® Cortex®-M4高性能MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F429IGH6	180	ARM Cortex-M4	1024	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429IGT6	180	ARM Cortex-M4	1024	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429IIH6	180	ARM Cortex-M4	2048	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429IIT6	180	ARM Cortex-M4	2048	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429NEH6	180	ARM Cortex-M4	512	256	0	TFBGA216	168	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429NGH6	180	ARM Cortex-M4	1024	256	0	TFBGA216	168	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429NIH6	180	ARM Cortex-M4	2048	256	0	TFBGA216	168	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429VET6	180	ARM Cortex-M4	512	256	0	LQFP100	82	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429VGT6	180	ARM Cortex-M4	1024	256	0	LQFP100	82	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429VIT6	180	ARM Cortex-M4	2048	256	0	LQFP100	82	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429ZET6	180	ARM Cortex-M4	512	256	0	LQFP144	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429ZEY6	180	ARM Cortex-M4	512	256	0	WLCSP143	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	1	0	0	0	0
STM32F429ZGT6	180	ARM Cortex-M4	1024	256	0	LQFP144/ WLCSP143	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429ZGY6	180	ARM Cortex-M4	1024	256	0	WLCSP143	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	1	0	0	0	0
STM32F429ZIT6	180	ARM Cortex-M4	2048	256	0	LQFP144/ WLCSP143	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
STM32F429ZIY6	180	ARM Cortex-M4	2048	256	0	WLCSP143	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	1	0	0	0	0
STM32F439AIH6	180	ARM Cortex-M4	2048	256	0	UFBGA169	130	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1
STM32F439BGT6	180	ARM Cortex-M4	1024	256	0	LQFP208	168	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1
STM32F439BIT6	180	ARM Cortex-M4	2048	256	0	LQFP208	168	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1
STM32F439IGH6	180	ARM Cortex-M4	1024	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1
STM32F439IGT6	180	ARM Cortex-M4	1024	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1

STM32 F4系列 – ARM® Cortex®-M4高性能MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F439IIH6	180	ARM Cortex-M4	2048	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1
STM32F439IIT6	180	ARM Cortex-M4	2048	256	0	UFBGA176/ LQFP176	140	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1
STM32F439NGH6	180	ARM Cortex-M4	1024	256	0	TFBGA216	168	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1
STM32F439NIH6	180	ARM Cortex-M4	2048	256	0	TFBGA216	168	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1
STM32F439VGT6	180	ARM Cortex-M4	1024	256	0	LQFP100	82	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1
STM32F439VIT6	180	ARM Cortex-M4	2048	256	0	LQFP100	82	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1
STM32F439ZGT6	180	ARM Cortex-M4	1024	256	0	LQFP144/ WLCSP143	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1
STM32F439ZGY6	180	ARM Cortex-M4	1024	256	0	WLCSP143	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	1	1	1	1	1
STM32F439ZIT6	180	ARM Cortex-M4	2048	256	0	LQFP144/ WLCSP143	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	0	1	1	1	1
STM32F439ZIY6	180	ARM Cortex-M4	2048	256	0	WLCSP143	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	0	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	1	1	1	1	1
STM32F469 / 479高级型 - 180 MHz																																																		
STM32F469AEH6	180	ARM Cortex-M4	512	384	0	UFBGA169	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469AEY6	180	ARM Cortex-M4	512	384	0	WLCSP168	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	0	0	0	1	1	1	0	0	1	0	1	0	0	0	0
STM32F469AGH6	180	ARM Cortex-M4	1024	384	0	UFBGA169	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469AGY6	180	ARM Cortex-M4	1024	384	0	WLCSP168	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469AIH6	180	ARM Cortex-M4	2048	384	0	UFBGA169	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469AIY6	180	ARM Cortex-M4	2048	384	0	WLCSP168	161	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469BET6	180	ARM Cortex-M4	512	384	0	LQFP208	161	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469BGT6	180	ARM Cortex-M4	1024	384	0	LQFP208	161	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469BIT6	180	ARM Cortex-M4	2048	384	0	LQFP208	161	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469IEH6	180	ARM Cortex-M4	512	384	0	UFBGA176	131	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0

STM32 F4系列 – ARM® Cortex®-M4高性能MCU(附带DSP和FPU)

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F469IET6	180	ARM Cortex-M4	512	384	0	LQFP176	131	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469IGH6	180	ARM Cortex-M4	1024	384	0	UFBGA176	131	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469IGT6	180	ARM Cortex-M4	1024	384	0	LQFP176	131	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469IIH6	180	ARM Cortex-M4	2048	384	0	UFBGA176	131	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469IIT6	180	ARM Cortex-M4	2048	384	0	LQFP176	131	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469NEH6	180	ARM Cortex-M4	512	384	0	TFBGA216	161	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469NGH6	180	ARM Cortex-M4	1024	384	0	TFBGA216	161	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F469NIH6	180	ARM Cortex-M4	2048	384	0	TFBGA216	161	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0
STM32F479AGH6	180	ARM Cortex-M4	1024	384	0	UFBGA169	161	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	0	0	0	1	1	1	0	0	1	0	0	1	1	1	1
STM32F479AGY6	180	ARM Cortex-M4	1024	384	0	WLCSP168	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	0	0	0	1	1	1	0	0	1	0	0	1	1	1	1
STM32F479AIH6	180	ARM Cortex-M4	2048	384	0	UFBGA169	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	0	0	0	1	1	1	0	0	1	0	0	1	1	1	1
STM32F479AIY6	180	ARM Cortex-M4	2048	384	0	WLCSP168	114	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	0	0	0	1	1	1	0	0	1	0	0	1	1	1	1
STM32F479BGT6	180	ARM Cortex-M4	1024	384	0	LQFP208	161	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	1	1	1	1
STM32F479BIT6	180	ARM Cortex-M4	2048	384	0	LQFP208	161	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	1	1	1	1
STM32F479IGH6	180	ARM Cortex-M4	1024	384	0	UFBGA176	131	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	1	1	1	1
STM32F479IGT6	180	ARM Cortex-M4	1024	384	0	LQFP176	131	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	1	1	1	1
STM32F479IIH6	180	ARM Cortex-M4	2048	384	0	UFBGA176	131	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	1	1	1	1
STM32F479IIT6	180	ARM Cortex-M4	2048	384	0	LQFP176	131	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	1	1	1	1
STM32F479NGH6	180	ARM Cortex-M4	1024	384	0	TFBGA216	161	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	1	1	1	1
STM32F479NIH6	180	ARM Cortex-M4	2048	384	0	TFBGA216	161	1.7	3.6	12	2	2	0	0	3	24	0	0	2	0	0	6	1	2	3	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	1	1	1	1

STM32 F7系列 – ARM® Cortex®-M7超高性能MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F7x5产品线 - 216 MHz																																																		
STM32F745IEK6	216	ARM Cortex-M7	512	320	0	UFBGA176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F745IET6	216	ARM Cortex-M7	512	320	0	LQFP176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F745IGK6	216	ARM Cortex-M7	1024	320	0	UFBGA176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F745IGT6	216	ARM Cortex-M7	1024	320	0	LQFP176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F745VEH6	216	ARM Cortex-M7	512	320	0	TFBGA100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	0	0	2	4	0	1	0	1	0	0	0	0
STM32F745VET6	216	ARM Cortex-M7	512	320	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F745VGH6	216	ARM Cortex-M7	1024	320	0	TFBGA100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	0	0	2	4	0	1	0	1	0	0	0	0
STM32F745VGT6	216	ARM Cortex-M7	1024	320	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F745ZET6	216	ARM Cortex-M7	512	320	0	LQFP144	114	1.7	3.6	13	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F745ZEY6	216	ARM Cortex-M7	512	320	0	WLCSP143	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	0	0	2	4	0	1	0	1	0	0	0	0
STM32F745ZGT6	216	ARM Cortex-M7	1024	320	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0
STM32F745ZGY6	216	ARM Cortex-M7	1024	320	0	WLCSP143	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	0	0	2	4	0	1	0	1	0	0	0	0
STM32F765VGT6	216	ARM Cortex-M7	1024	512	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	3	1	0	1	0	1	1	1	1	0	0	0	2	4	1	1	0	1	0	0	0	0
STM32F765VIT6	216	ARM Cortex-M7	2048	512	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	3	1	0	1	0	1	1	1	1	0	0	0	2	4	1	1	0	1	0	0	0	0
STM32F765ZGT6	216	ARM Cortex-M7	1024	512	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	1	0	1	0	1	1	1	1	0	0	0	2	4	1	1	0	1	0	0	0	0
STM32F765ZIT6	216	ARM Cortex-M7	2048	512	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	1	0	1	0	1	1	1	1	0	0	0	2	4	1	1	0	1	0	0	0	0
STM32F765IGT6	216	ARM Cortex-M7	1024	512	0	LQFP176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	1	0	1	0	1	1	1	1	0	0	0	2	4	1	1	0	1	0	0	0	0
STM32F765IIT6	216	ARM Cortex-M7	2048	512	0	LQFP176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	1	0	1	0	1	1	1	1	0	0	0	2	4	1	1	0	1	0	0	0	0
STM32F765IGK6	216	ARM Cortex-M7	1024	512	0	UFBGA176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	1	0	1	0	1	1	1	1	0	0	0	2	4	1	1	0	1	0	0	0	0
STM32F765IIK6	216	ARM Cortex-M7	2048	512	0	UFBGA176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	1	0	1	0	1	1	1	1	0	0	0	2	4	1	1	0	1	0	0	0	0

STM32 F7系列 – ARM® Cortex®-M7超高性能MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F765BGT6	216	ARM Cortex-M7	1024	512	0	LQFP208	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	1	0	1	0	1	1	1	1	0	0	0	2	4	1	1	0	1	0	0	0	0
STM32F765BIT6	216	ARM Cortex-M7	2048	512	0	LQFP208	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	1	0	1	0	1	1	1	1	0	0	0	2	4	1	1	0	1	0	0	0	0
STM32F765NGH6	216	ARM Cortex-M7	1024	512	0	TFBGA216	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	1	0	1	0	1	1	1	1	0	0	0	2	4	1	1	0	1	0	0	0	0
STM32F765NIH6	216	ARM Cortex-M7	2048	512	0	TFBGA216	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	1	0	1	0	1	1	1	1	0	0	0	2	4	1	1	0	1	0	0	0	0
STM32F7x6产品线 - 216 MHz																																																		
STM32F746BET6	216	ARM Cortex-M7	512	320	0	LQFP208	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746BGT6	216	ARM Cortex-M7	1024	320	0	LQFP208	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746IEK6	216	ARM Cortex-M7	512	320	0	UFBGA176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746IET6	216	ARM Cortex-M7	512	320	0	LQFP176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746IGK6	216	ARM Cortex-M7	1024	320	0	UFBGA176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746IGT6	216	ARM Cortex-M7	1024	320	0	LQFP176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746NEH6	216	ARM Cortex-M7	512	320	0	TFBGA216	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746NGH6	216	ARM Cortex-M7	1024	320	0	TFBGA216	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746VEH6	216	ARM Cortex-M7	512	320	0	TFBGA100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	4	0	1	0	1	0	0	0	0
STM32F746VET6	216	ARM Cortex-M7	512	320	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746VGH6	216	ARM Cortex-M7	1024	320	0	TFBGA100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	4	0	1	0	1	0	0	0	0
STM32F746VGT6	216	ARM Cortex-M7	1024	320	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746ZET6	216	ARM Cortex-M7	512	320	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746ZEY6	216	ARM Cortex-M7	512	320	0	WLCSP143	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746ZGT6	216	ARM Cortex-M7	1024	320	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0
STM32F746ZGY6	216	ARM Cortex-M7	1024	320	0	WLCSP143	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0

STM32 F7系列 – ARM® Cortex®-M7超高性能MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F756BGT6	216	ARM Cortex-M7	1024	320	0	LQFP208	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	1	1	1	1
STM32F756IGK6	216	ARM Cortex-M7	1024	320	0	UFBGA176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	1	1	1	1
STM32F756IGT6	216	ARM Cortex-M7	1024	320	0	LQFP176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	1	1	1	1
STM32F756NGH6	216	ARM Cortex-M7	1024	320	0	TFBGA216	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	1	1	1	1
STM32F756VGT6	216	ARM Cortex-M7	1024	320	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	1	1	1	1
STM32F756ZGT6	216	ARM Cortex-M7	1024	320	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	1	1	1	1
STM32F756ZGY6	216	ARM Cortex-M7	1024	320	0	WLCSP143	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	2	1	0	1	0	1	1	1	0	0	1	0	2	0	0	1	0	0	1	1	1	1
STM32F7x7产品线 - 216 MHz																																																		
STM32F767BGT6	216	ARM Cortex-M7	1024	512	0	LQFP208	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F767BIT6	216	ARM Cortex-M7	2048	512	0	LQFP208	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F767IIK6	216	ARM Cortex-M7	2048	512	0	UFBGA176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F767IIT6	216	ARM Cortex-M7	2048	512	0	LQFP176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F767IGK6	216	ARM Cortex-M7	1024	512	0	UFBGA176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F767IGT6	216	ARM Cortex-M7	1024	512	0	LQFP176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F767NGH6	216	ARM Cortex-M7	1024	512	0	TFBGA216	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F767NIH6	216	ARM Cortex-M7	2048	512	0	TFBGA216	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F767VGT6	216	ARM Cortex-M7	1024	512	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	0	2	4	1	1	0	1	0	0	0	0
STM32F767VIT6	216	ARM Cortex-M7	2048	512	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	0	2	4	1	1	0	1	0	0	0	0
STM32F767ZGT6	216	ARM Cortex-M7	1024	512	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	0	2	4	1	1	0	1	0	0	0	0
STM32F767ZIT6	216	ARM Cortex-M7	2048	512	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	0	2	4	1	1	0	1	0	0	0	0
STM32F777BIT6	216	ARM Cortex-M7	2048	512	0	LQFP208	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	1	1	1	1

STM32 F7系列 – ARM® Cortex®-M7超高性能MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F777IIK6	216	ARM Cortex-M7	2048	512	0	UFBGA176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	1	1	1	1
STM32F777IIT6	216	ARM Cortex-M7	2048	512	0	LQFP176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	1	1	1	1
STM32F777NIH6	216	ARM Cortex-M7	2048	512	0	TFBGA216	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	1	1	1	1
STM32F777VIT6	216	ARM Cortex-M7	2048	512	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	0	2	4	1	1	0	1	1	1	1	1
STM32F777ZIT6	216	ARM Cortex-M7	2048	512	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	0	2	4	1	1	0	1	1	1	1	1
STM32F7x8 / F7x9产品线 - 216 MHz																																																		
STM32F778AIY6	216	ARM Cortex-M7	2048	512	0	WLCSP180	129	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	0	1	0	1	1	2	4	1	1	0	1	1	1	1	1
STM32F769AGY6	216	ARM Cortex-M7	1024	512	0	WLCSP180	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	0	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F769AIY6	216	ARM Cortex-M7	2048	512	0	WLCSP180	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	0	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F769BGT6	216	ARM Cortex-M7	1024	512	0	LQFP208	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F769BIT6	216	ARM Cortex-M7	2048	512	0	LQFP208	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F769IGT6	216	ARM Cortex-M7	1024	512	0	LQFP176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F769IIT6	216	ARM Cortex-M7	2048	512	0	LQFP176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F769NGH6	216	ARM Cortex-M7	1024	512	0	TFBGA216	168	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	0	0	0	0
STM32F769NIH6	216	ARM Cortex-M7	2048	512	0	TFBGA216	168	1.7	3.6	12	2	0	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	0	0	1	1	2	0	0	1	0	0	0	0	0	0
STM32F779AIY6	216	ARM Cortex-M7	2048	512	0	WLCSP180	129	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	0	1	0	1	1	2	4	1	1	0	1	1	1	1	1
STM32F779BIT6	216	ARM Cortex-M7	2048	512	0	LQFP208	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	1	1	1	1
STM32F779IIT6	216	ARM Cortex-M7	2048	512	0	LQFP176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	1	1	1	1
STM32F779NIH6	216	ARM Cortex-M7	2048	512	0	TFBGA216	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	0	4+4	0	3	2	0	1	0	1	1	1	1	0	1	1	2	4	1	1	0	1	1	1	1	1

STM32 L0系列 – ARM® Cortex®-M0+超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L0x1入门型 - 32 MHz																																																			
STM32L011D3P6	32	ARM Cortex-M0+	8	2	512	TSSOP14	11	1.65	3.6	3	0	0	1	0	1	4	0	0	0	2	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011F3P6	32	ARM Cortex-M0+	8	2	512	TSSOP20	16	1.65	3.6	3	0	0	1	0	1	7	0	0	0	2	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011F3U6	32	ARM Cortex-M0+	8	2	512	UFQFPN20	16	1.65	3.6	2	0	0	1	0	1	7	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011E3Y6	32	ARM Cortex-M0+	8	2	512	WLCSP25	21	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011G3U6	32	ARM Cortex-M0+	8	2	512	UFQFPN28	24	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011K3T6	32	ARM Cortex-M0+	8	2	512	LQFP32	26	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011K3U6	32	ARM Cortex-M0+	8	2	512	UFQFPN32	28	1.65	3.6	2	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011D4P6	32	ARM Cortex-M0+	16	2	512	TSSOP14	11	1.65	3.6	3	0	0	1	0	1	4	0	0	0	2	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011F4P6	32	ARM Cortex-M0+	16	2	512	TSSOP20	16	1.65	3.6	3	0	0	1	0	1	7	0	0	0	2	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011F4U6	32	ARM Cortex-M0+	16	2	512	UFQFPN20	16	1.65	3.6	2	0	0	1	0	1	7	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011E4Y6	32	ARM Cortex-M0+	16	2	512	WLCSP25	21	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011G4U6	32	ARM Cortex-M0+	16	2	512	UFQFPN28	24	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011K4T6	32	ARM Cortex-M0+	16	2	512	LQFP32	26	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L011K4U6	32	ARM Cortex-M0+	16	2	512	UFQFPN32	28	1.65	3.6	2	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L021D4P6	32	ARM Cortex-M0+	16	2	512	TSSOP14	11	1.65	3.6	2	0	0	1	0	1	4	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

STM32 L0系列 – ARM® Cortex®-M0+超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L021F4P6	32	ARM Cortex-M0+	16	2	512	TSSOP20	16	1.65	3.6	2	0	0	1	0	1	9	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L021F4U6	32	ARM Cortex-M0+	16	2	512	UFQFPN20	16	1.65	3.6	2	0	0	1	0	1	7	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L021G4U6	32	ARM Cortex-M0+	16	2	512	UFQFPN28	24	1.65	3.6	2	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L021K4T6	32	ARM Cortex-M0+	16	2	512	LQFP32	26	1.65	3.6	2	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L021K4U6	32	ARM Cortex-M0+	16	2	512	UFQFPN32	28	1.65	3.6	2	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L031F4P6	32	ARM Cortex-M0+	16	8	1024	TSSOP20	15	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L031F6P6	32	ARM Cortex-M0+	32	8	1024	TSSOP20	15	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L031E4Y6	32	ARM Cortex-M0+	16	8	1024	WLCSP25	20	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	2	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L031E6Y6	32	ARM Cortex-M0+	32	8	1024	WLCSP25	20	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	2	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L031G4U6	32	ARM Cortex-M0+	16	8	1024	UFQFPN28	21	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	2	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L031G6U6	32	ARM Cortex -M0+	32	8	1024	UFQFPN28	21	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	2	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L031K4U6	32	ARM Cortex -M0+	16	8	1024	UFQFPN32	27	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L031K4T6	32	ARM Cortex-M0+	16	8	1024	LQFP32	25	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	2	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L031K6U6	32	ARM Cortex-M0+	32	8	1024	UFQFPN32	27	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L031K6T6	32	ARM Cortex-M0+	32	8	1024	LQFP32	25	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	2	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 L0系列 – ARM® Cortex®-M0+超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L031C4T6	32	ARM Cortex-M0+	16	8	1024	LQFP48	38	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	2	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L031C6T6	32	ARM Cortex-M0+	32	8	1024	LQFP48	38	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	2	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L041F4P6	32	ARM Cortex-M0+	16	8	1024	TSSOP20	15	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L041F6P6	32	ARM Cortex-M0+	32	8	1024	TSSOP20	15	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L041G4U6	32	ARM Cortex-M0+	16	8	1024	UFQFPN28	21	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L041G6U6	32	ARM Cortex-M0+	32	8	1024	UFQFPN28	21	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L041K4T6	32	ARM Cortex-M0+	16	8	1024	LQFP32	25	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L041K4U6	32	ARM Cortex-M0+	16	8	1024	UFQFPN32	27	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L041K6T6	32	ARM Cortex-M0+	32	8	1024	LQFP32	25	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L041K6U6	32	ARM Cortex-M0+	32	8	1024	UFQFPN32	27	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L041C4T6	32	ARM Cortex-M0+	16	8	1024	LQFP48	38	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L041C6T6	32	ARM Cortex-M0+	32	8	1024	LQFP48	38	1.65	3.6	3	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L051C6T6	32	ARM Cortex-M0+	32	8	2048	LQFP48	37	1.65	3.6	5	0	0	1	0	1	10	0	0	0	2	0	2	0	1	2	0	3+1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L051C8T6	32	ARM Cortex-M0+	64	8	2048	LQFP48	37	1.65	3.6	5	0	0	1	0	1	10	0	0	0	2	0	2	0	1	2	0	3+1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L051K6T6	32	ARM Cortex-M0+	32	8	2048	LQFP32	27	1.65	3.6	5	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 L0系列 – ARM® Cortex®-M0+超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L051K6U6	32	ARM Cortex-M0+	32	8	2048	UFQFPN32	27	1.65	3.6	5	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L051K8T6	32	ARM Cortex-M0+	64	8	2048	LQFP32	27	1.65	3.6	5	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L051K8U6	32	ARM Cortex-M0+	64	8	2048	UFQFPN32	27	1.65	3.6	5	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L051R6H6	32	ARM Cortex-M0+	32	8	2048	TFBGA64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	0	2	0	2	0	1	2	0	3+1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L051R6T6	32	ARM Cortex-M0+	32	8	2048	LQFP64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	0	2	0	2	0	1	2	0	3+1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L051R8H6	32	ARM Cortex-M0+	64	8	2048	TFBGA64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	0	2	0	2	0	1	2	0	3+1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L051R8T6	32	ARM Cortex-M0+	64	8	2048	LQFP64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	0	2	0	2	0	1	2	0	3+1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L051T6Y6	32	ARM Cortex-M0+	32	8	2048	WLCSP36	29	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	1	0	0	2	[2]	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L051T8Y6	32	ARM Cortex-M0+	64	8	2048	WLCSP36	29	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	1	0	0	2	[2]	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071C8T6	32	ARM Cortex-M0+	64	20	3072	LQFP48	37	1.65	3.6	6	0	0	1	0	1	13	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071CBT6	32	ARM Cortex-M0+	128	20	6144	LQFP48	40	1.65	3.6	7	0	0	1	0	1	16	0	0	0	2	0	2	0	1	2	0	3+1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071CBY6	32	ARM Cortex-M0+	128	20	6144	WLCSP49	40	1.65	3.6	6	0	0	1	0	1	13	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071CZT6	32	ARM Cortex-M0+	192	20	6144	LQFP48	37	1.65	3.6	6	0	0	1	0	1	13	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071CZY6	32	ARM Cortex-M0+	192	20	6144	WLCSP49	40	1.65	3.6	6	0	0	1	0	1	13	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071K8U6	32	ARM Cortex-M0+	64	20	3072	UFQFPN32	23	1.65	3.6	6	0	0	1	0	1	10	0	0	0	2	0	1	0	0	2	[2]	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 L0系列 – ARM® Cortex®-M0+超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L071KBT6	32	ARM Cortex-M0+	128	20	6144	LQFP32	25	1.65	3.6	6	0	0	1	0	1	10	0	0	0	2	0	1	0	0	2	[2]	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071KBU6	32	ARM Cortex-M0+	128	20	6144	UFQFPN32	25	1.65	3.6	7	0	0	1	0	1	16	0	0	0	2	0	2	0	1	3	0	4+1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071KZT6	32	ARM Cortex-M0+	192	20	6144	LQFP32	25	1.65	3.6	6	0	0	1	0	1	10	0	0	0	2	0	1	0	0	2	[2]	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071KZU6	32	ARM Cortex-M0+	192	20	6144	UFQFN32	25	1.65	3.6	7	0	0	1	0	1	16	0	0	0	2	0	2	0	1	3	0	4+1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071RBH6	32	ARM Cortex -M0+	128	20	6144	TFBGA64	51	1.65	3.6	6	0	0	1	0	1	16	0	0	0	2	0	2	0	1	3	[3]	3+1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071RBT6	32	ARM Cortex -M0+	128	20	6144	LQFP32	51	1.65	3.6	7	0	0	1	0	1	16	0	0	0	2	0	2	0	1	2	0	3+1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071RZH6	32	ARM Cortex-M0+	192	20	6144	TFBGA64	51	1.65	3.6	6	0	0	1	0	1	16	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071RZT6	32	ARM Cortex-M0+	192	20	6144	LQFP64	51	1.65	3.6	7	0	0	1	0	1	16	0	0	0	2	0	2	0	1	2	0	3+1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071V8I6	32	ARM Cortex-M0+	64	20	3072	UFBGA100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071V8T6	32	ARM Cortex-M0+	64	20	3072	LQFP100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071VBI6	32	ARM Cortex-M0+	128	20	6144	UFBGA100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071VBT6	32	ARM Cortex-M0+	128	20	6144	LQFP100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071VZI6	32	ARM Cortex-M0+	192	20	6144	UFBGA100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L071VZT6	32	ARM Cortex-M0+	192	20	6144	LQFP100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L081CBT6	32	ARM Cortex-M0+	128	20	6144	LQFP48	40	1.65	3.6	6	0	0	1	0	1	13	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

STM32 L0系列 – ARM® Cortex®-M0+超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L081CZT6	32	ARM Cortex-M0+	192	20	6144	LQFP48	40	1.65	3.6	6	0	0	1	0	1	13	0	0	0	2	0	2	0	1	3	[3]	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L081KZT6	32	ARM Cortex-M0+	192	20	6144	LQFP32	25	1.65	3.6	6	0	0	1	0	1	10	0	0	0	2	0	1	0	0	2	[2]	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L081KZU6	32	ARM Cortex-M0+	192	20	6144	UFQFPN32	23	1.65	3.6	6	0	0	1	0	1	10	0	0	0	2	0	1	0	0	2	[2]	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L0x2 USB产品线 - 32 MHz																																																			
STM32L052C6T6	32	ARM Cortex-M0+	32	8	2048	LQFP48	37	1.65	3.6	5	0	0	1	0	1	10	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L052C8T6	32	ARM Cortex-M0+	64	8	2048	LQFP48	37	1.65	3.6	5	0	0	1	0	1	10	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L052K6T6	32	ARM Cortex-M0+	32	8	2048	LQFP32	27	1.65	3.6	5	0	0	1	0	1	10	0	0	1	2	0	1	0	0	1	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L052K6U6	32	ARM Cortex-M0+	32	8	2048	UFQFPN32	27	1.65	3.6	5	0	0	1	0	1	10	0	0	1	2	0	1	0	0	1	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L052K8T6	32	ARM Cortex-M0+	64	8	2048	LQFP32	27	1.65	3.6	5	0	0	1	0	1	10	0	0	1	2	0	1	0	0	1	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L052K8U6	32	ARM Cortex-M0+	64	8	2048	UFQFPN32	27	1.65	3.6	5	0	0	1	0	1	10	0	0	1	2	0	1	0	0	1	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L052R6H6	32	ARM Cortex-M0+	32	8	2048	TFBGA64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L052R6T6	32	ARM Cortex-M0+	32	8	2048	LQFP64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L052R8H6	32	ARM Cortex-M0+	64	8	2048	TFBGA64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L052R8T6	32	ARM Cortex-M0+	64	8	2048	LQFP64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L052T6Y6	32	ARM Cortex-M0+	32	8	2048	WLCSP36	29	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	1	0	0	2	[2]	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L052T8Y6	32	ARM Cortex-M0+	64	8	2048	WLCSP36	29	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	1	0	1	2	[2]	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

STM32 L0系列 – ARM® Cortex®-M0+超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L062K8T6	32	ARM Cortex-M0+	64	8	2048	LQFP32	27	1.65	3.6	5	0	0	1	0	1	10	0	0	1	2	0	1	0	0	1	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L062K8U6	32	ARM Cortex-M0+	64	8	2048	UFQFPN32	27	1.65	3.6	5	0	0	1	0	1	10	0	0	1	2	0	1	0	0	1	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STM32L062T8Y6	32	ARM Cortex-M0+	64	8	2048	WLCSP36	29	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	1	0	0	2	[2]	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
STM32L072CBT6	32	ARM Cortex-M0+	128	20	6144	LQFP48	37	1.65	3.6	6	0	0	1	0	1	10	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072CBY6	32	ARM Cortex-M0+	128	20	6144	WLCSP49	40	1.65	3.6	6	0	0	1	0	1	13	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072CZT6	32	ARM Cortex-M0+	192	20	6144	LQFP48	37	1.65	3.6	6	0	0	1	0	1	10	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072CZY6	32	ARM Cortex-M0+	192	20	6144	WLCSP49	40	1.65	3.6	6	0	0	1	0	1	13	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072KBU6	32	ARM Cortex-M0+	128	20	6144	UFQFPN32	23	1.65	3.6	6	0	0	1	0	1	10	0	0	2	2	0	1	0	0	2	[2]	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072KBT6	32	ARM Cortex-M0+	128	20	6144	LQFP32	25	1.65	3.6	6	0	0	1	0	1	10	0	0	2	2	0	1	0	0	2	[2]	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072KZT6	32	ARM Cortex-M0+	192	20	6144	LQFP32	25	1.65	3.6	6	0	0	1	0	1	10	0	0	2	2	0	1	0	0	2	[2]	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072KZU6	32	ARM Cortex-M0+	192	20	6144	UFQFPN32	23	1.65	3.6	6	0	0	1	0	1	10	0	0	2	2	0	1	0	0	2	[2]	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072RBH6	32	ARM Cortex-M0+	128	20	6144	TFBGA64	50	1.65	3.6	6	0	0	1	0	1	15	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072RBT6	32	ARM Cortex-M0+	128	20	6144	LQFP64	51	1.65	3.6	7	0	0	1	0	1	16	0	0	2	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L072RZH6	32	ARM Cortex-M0+	192	20	6144	TFBGA64	50	1.65	3.6	6	0	0	1	0	1	15	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072RZI6	32	ARM Cortex-M0+	192	20	6144	UFBGA64	51	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

STM32 L0系列 – ARM® Cortex®-M0+超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L072RZT6	32	ARM Cortex-M0+	192	20	6144	LQFP64	51	1.65	3.6	7	0	0	1	0	1	16	0	0	2	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L072V8I6	32	ARM Cortex-M0+	64	20	3072	UFBGA100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072V8T6	32	ARM Cortex-M0+	64	20	3072	LQFP100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072VBI6	32	ARM Cortex-M0+	128	20	6144	UFBGA100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072VBT6	32	ARM Cortex-M0+	128	20	6144	LQFP100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072VZI6	32	ARM Cortex-M0+	192	20	6144	UFBGA100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072VZH6	32	ARM Cortex-M0+	192	20	6144	TFBGA100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L072VZT6	32	ARM Cortex-M0+	192	20	6144	LQFP100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32L082CZY6	32	ARM Cortex-M0+	192	20	6144	WLCSP49	40	1.65	3.6	6	0	0	1	0	1	13	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
STM32L082KBU6	32	ARM Cortex-M0+	128	20	6144	UFQFPN32	23	1.65	3.6	6	0	0	1	0	1	10	0	0	2	2	0	1	0	0	2	[2]	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
STM32L082KBT6	32	ARM Cortex-M0+	128	20	6144	LQFP32	25	1.65	3.6	6	0	0	1	0	1	10	0	0	2	2	0	1	0	0	2	[2]	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
STM32L082KZU6	32	ARM Cortex-M0+	192	20	6144	UFQFPN32	23	1.65	3.6	6	0	0	1	0	1	10	0	0	2	2	0	1	0	0	2	[2]	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
STM32L082KZT6	32	ARM Cortex-M0+	192	20	6144	LQFP32	25	1.65	3.6	6	0	0	1	0	1	10	0	0	2	2	0	1	0	0	2	[2]	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
STM32L0x3 USB & LCD产品线 - 32 MHz																																																		
STM32L053C6T6	32	ARM Cortex-M0+	32	8	2048	LQFP48	37	1.65	3.6	5	0	0	1	0	1	10	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	4x18	0	0	0	0	0	0	0	0	0	0	0	0

STM32 L0系列 – ARM® Cortex®-M0+超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L053C8T6	32	ARM Cortex-M0+	64	8	2048	LQFP48	37	1.65	3.6	5	0	0	1	0	1	10	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	4x18	0	0	0	0	0	0	0	0	0	0	0	0
STM32L053R6H6	32	ARM Cortex-M0+	32	8	2048	TFBGA64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	4x32/8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L053R6T6	32	ARM Cortex-M0+	32	8	2048	LQFP64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	4x32/8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L053R8H6	32	ARM Cortex-M0+	64	8	2048	TFBGA64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	4x32/8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L053R8T6	32	ARM Cortex-M0+	64	8	2048	LQFP64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	4x32/8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L063C8T6	32	ARM Cortex-M0+	64	8	2048	LQFP48	37	1.65	3.6	5	0	0	1	0	1	10	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	4x18	0	0	0	0	0	0	0	0	1	0	0	0
STM32L063R8T6	32	ARM Cortex-M0+	64	8	2048	LQFP64	51	1.65	3.6	5	0	0	1	0	1	16	0	0	1	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	4x32/8x28	0	0	0	0	0	0	0	0	1	0	0	0
STM32L073CBT6	32	ARM Cortex-M0+	128	20	6144	LQFP48	37	1.65	3.6	6	0	0	1	0	1	10	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	4x18	0	0	0	0	0	0	0	1	0	0	0	0
STM32L073CZT6	32	ARM Cortex-M0+	192	20	6144	LQFP48	37	1.65	3.6	7	0	0	1	0	1	16	0	0	2	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	4x18	0	0	0	0	0	0	0	0	0	0	0	0
STM32L073RBH6	32	ARM Cortex-M0+	128	20	6144	TFBGA64	50	1.65	3.6	6	0	0	1	0	1	15	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	8x28/4x32	0	0	0	0	0	0	0	1	0	0	0	0
STM32L073RBT6	32	ARM Cortex-M0+	128	20	6144	LQFP64	51	1.65	3.6	7	0	0	1	0	1	16	0	0	2	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	8x28/4x32	0	0	0	0	0	0	0	0	0	0	0	0
STM32L073RZH6	32	ARM Cortex-M0+	192	20	6144	TFBGA64	50	1.65	3.6	6	0	0	1	0	1	15	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	8x28/4x32	0	0	0	0	0	0	0	1	0	0	0	0
STM32L073RZT6	32	ARM Cortex-M0+	192	20	6144	LQFP64	51	1.65	3.6	7	0	0	1	0	1	16	0	0	2	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	8x28/4x32	0	0	0	0	0	0	0	0	0	0	0	0
STM32L073V8I6	32	ARM Cortex-M0+	64	20	3072	UFBGA100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	8x48/4x52	0	0	0	0	0	0	0	1	0	0	0	0
STM32L073V8T6	32	ARM Cortex-M0+	64	20	3072	LQFP100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	8x48/4x52	0	0	0	0	0	0	0	1	0	0	0	0

STM32 L0系列 – ARM® Cortex®-M0+超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L073VBI6	32	ARM Cortex-M0+	128	20	6144	UFBGA100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	8x48/4x52	0	0	0	0	0	0	0	1	0	0	0	0
STM32L073VBT6	32	ARM Cortex-M0+	128	20	6144	LQFP100	84	1.65	3.6	7	0	0	1	0	1	16	0	0	2	2	0	2	0	1	2	0	3+1	1	0	0	0	0	1	0	0	0	0	8x48/4x52	0	0	0	0	0	0	0	0	0	0	0	0
STM32L073VZI6	32	ARM Cortex-M0+	192	20	6144	UFBGA100	84	1.65	3.6	6	0	0	1	0	1	15	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	8x48/4x52	0	0	0	0	0	0	0	1	0	0	0	0
STM32L073VZT6	32	ARM Cortex-M0+	192	20	6144	LQFP100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	8x48/4x52	0	0	0	0	0	0	0	1	0	0	0	0
STM32L083CBT6	32	ARM Cortex-M0+	128	20	6144	LQFP48	40	1.65	3.6	6	0	0	1	0	1	10	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	4x18	0	0	0	0	0	0	0	1	1	0	0	0
STM32L083CZT6	32	ARM Cortex-M0+	192	20	6144	LQFP48	37	1.65	3.7	7	0	0	1	0	1	10	0	0	2	2	0	2	0	1	3	0	4+1	1	0	0	0	0	1	0	1	0	0	4x18	0	0	0	0	0	0	0	0	1	0	0	0
STM32L083RBT6	32	ARM Cortex-M0+	128	20	6144	LQFP64	51	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	4x32/8x28	0	0	0	0	0	0	0	1	1	0	0	0
STM32L083RZH6	32	ARM Cortex-M0+	192	20	6144	TFBGA64	51	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	4x32/8x28	0	0	0	0	0	0	0	1	1	0	0	0
STM32L083RZT6	32	ARM Cortex-M0+	192	20	6144	LQFP64	51	1.65	3.8	7	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	0	4+1	1	0	0	0	0	1	0	1	0	0	4x32/8x28	0	0	0	0	0	0	0	0	1	0	0	0
STM32L083V8T6	32	ARM Cortex-M0+	64	20	3072	LQFP100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	4x52/8x48	0	0	0	0	0	0	0	1	1	0	0	0
STM32L083V8I6	32	ARM Cortex-M0+	64	20	3072	UFBGA100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	4x52/8x48	0	0	0	0	0	0	0	1	1	0	0	0
STM32L083VBT6	32	ARM Cortex-M0+	128	20	6144	LQFP100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	4x52/8x48	0	0	0	0	0	0	0	1	1	0	0	0
STM32L083VBI6	32	ARM Cortex-M0+	128	20	6144	UFBGA100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	4x52/8x48	0	0	0	0	0	0	0	1	1	0	0	0
STM32L083VZT6	32	ARM Cortex-M0+	192	20	6144	LQFP100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	4x52/8x48	0	0	0	0	0	0	0	1	1	0	0	0
STM32L083VZI6	32	ARM Cortex-M0+	192	20	6144	UFBGA100	84	1.65	3.6	6	0	0	1	0	1	16	0	0	2	2	0	2	0	1	3	[3]	4	1	0	0	0	0	1	0	0	0	0	4x52/8x48	0	0	0	0	0	0	0	1	1	0	0	0

STM32 L1系列 – ARM® Cortex®-M3超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L100超值型 - 32 MHz																																																		
STM32L100C6U6A	32	ARM Cortex-M3	32	4	2048	UFQFPN48	37	1.8	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4X16	0	0	0	0	0	0	0	0	0	0	0	0
STM32L100R8T6A	32	ARM Cortex-M3	64	8	2048	LQFP64	51	1.8	3.6	8	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L100R8T6	32	ARM Cortex-M3	64	8	2048	LQFP64	51	1.8	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L100RCT6	32	ARM Cortex-M3	256	16	4096	LQFP64	50	1.65	3.6	8	0	0	0	0	1	21	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151 / 152产品线 - 32 MHz																																																		
STM32L151C6T6A	32	ARM Cortex-M3	32	16	4096	LQFP48	37	1.65	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151C6U6A	32	ARM Cortex-M3	32	16	4096	UFQFPN48	37	1.65	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151C8T6A	32	ARM Cortex-M3	64	32	4096	LQFP48	37	1.65	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151C8U6A	32	ARM Cortex-M3	64	32	4096	UFQFPN48	37	1.65	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151CBT6A	32	ARM Cortex-M3	128	32	4096	LQFP48	37	1.65	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151CBU6A	32	ARM Cortex-M3	128	32	4096	UFQFPN48	37	1.65	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151CCT6	32	ARM Cortex-M3	256	32	8192	LQFP48	37	1.65	3.6	8	1	0	0	0	1	14	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151CCU6	32	ARM Cortex-M3	256	32	8192	UFQFPN48	37	1.65	3.6	8	1	0	0	0	1	14	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151QCH6	32	ARM Cortex-M3	256	32	8192	UFBGA132	109	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151QDH6	32	ARM Cortex-M3	384	48	12288	UFBGA132	109	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	3	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151QEH6	32	ARM Cortex-M3	512	80	16384	UFBGA132	109	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151R6H6A	32	ARM Cortex-M3	32	16	4096	TFBGA64	51	1.65	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151R6T6A	32	ARM Cortex-M3	32	16	4096	LQFP64	51	1.65	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151R8H6A	32	ARM Cortex-M3	64	32	4096	TFBGA64	51	1.65	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151R8T6A	32	ARM Cortex-M3	64	32	4096	LQFP64	51	1.65	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 L1系列 – ARM® Cortex®-M3超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L151RBH6A	32	ARM Cortex-M3	128	32	4096	TFBGA64	51	1.65	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151RBT6A	32	ARM Cortex-M3	128	32	4096	LQFP64	51	1.65	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151RCT6	32	ARM Cortex-M3	256	32	8192	LQFP64	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151RDT6	32	ARM Cortex-M3	384	48	12288	LQFP64	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	3	3	0	2	2	0	5	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151RDY6	32	ARM Cortex-M3	384	48	12288	WLCSP64	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	3	3	0	2	2	0	5	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151RET6	32	ARM Cortex-M3	512	80	16384	LQFP64	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151UCY6	32	ARM Cortex-M3	256	32	8192	WLCSP63	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151V8H6A	32	ARM Cortex-M3	64	32	4096	UFBGA100	83	1.65	3.6	8	0	0	0	0	1	24	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151V8T6A	32	ARM Cortex-M3	64	32	4096	LQFP100	83	1.65	3.6	8	0	0	0	0	1	24	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151VBH6A	32	ARM Cortex-M3	128	32	4096	UFBGA100	83	1.65	3.6	8	0	0	0	0	1	24	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151VBT6A	32	ARM Cortex-M3	128	32	4096	LQFP100	83	1.65	3.6	8	0	0	0	0	1	24	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151VCH6	32	ARM Cortex-M3	256	32	8192	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151VCT6	32	ARM Cortex-M3	256	32	8192	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151VDT6	32	ARM Cortex-M3	384	48	12288	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	3	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151VDT6x	32	ARM Cortex-M3	384	80	16384	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151VDY6x	32	ARM Cortex-M3	384	80	16384	WLCSP104	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151VET6	32	ARM Cortex-M3	512	80	16384	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151VEY6	32	ARM Cortex-M3	512	80	16384	WLCSP104	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151ZCT6	32	ARM Cortex-M3	256	32	8192	LQFP144	115	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151ZDT6	32	ARM Cortex-M3	384	48	12288	LQFP144	115	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	3	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151ZET6	32	ARM Cortex-M3	512	80	16384	LQFP144	115	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STM32 L1系列 – ARM® Cortex®-M3超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L152C6T6A	32	ARM Cortex-M3	32	16	4096	LQFP48	36	1.65	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x16	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152C6U6A	32	ARM Cortex-M3	32	16	4096	UFQFPN48	36	1.65	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x16	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152C8T6A	32	ARM Cortex-M3	64	32	4096	LQFP48	36	1.65	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x16	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152C8U6A	32	ARM Cortex-M3	64	32	4096	UFQFPN48	36	1.65	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x16	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152CBT6A	32	ARM Cortex-M3	128	32	4096	LQFP48	36	1.65	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x16	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152CBU6A	32	ARM Cortex-M3	128	32	4096	UFQFPN48	36	1.65	3.6	6	0	0	0	0	1	14	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x16	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152CCT6	32	ARM Cortex-M3	256	32	8192	LQFP48	37	1.65	3.6	8	1	0	0	0	1	14	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x18	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152CCU6	32	ARM Cortex-M3	256	32	8192	UFQFPN48	37	1.65	3.6	8	1	0	0	0	1	14	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x18	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152QCH6	32	ARM Cortex-M3	256	32	8192	UFBGA132	109	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/ 8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152QDH6	32	ARM Cortex-M3	384	48	12288	UFBGA132	109	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	3	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	4x44/ 8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152QEH6	32	ARM Cortex-M3	512	80	16384	UFBGA132	109	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	4x44/ 8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152R6H6A	32	ARM Cortex-M3	32	16	4096	TFBGA64	51	1.65	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152R6T6A	32	ARM Cortex-M3	32	16	4096	LQFP64	51	1.65	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152R8H6A	32	ARM Cortex-M3	64	32	4096	TFBGA64	51	1.65	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152R8T6A	32	ARM Cortex-M3	64	32	4096	LQFP64	51	1.65	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152RBH6A	32	ARM Cortex-M3	128	32	4096	TFBGA64	51	1.65	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152RBT6A	32	ARM Cortex-M3	128	32	4096	LQFP64	51	1.65	3.6	6	0	0	0	0	1	20	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152RCT6	32	ARM Cortex-M3	256	32	8192	LQFP64	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152RDT6	32	ARM Cortex-M3	384	48	12288	LQFP64	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	3	3	0	2	2	0	5	0	0	1	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152RDY6	32	ARM Cortex-M3	384	48	12288	WLCSP64	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	3	3	0	2	2	0	5	0	0	1	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152RET6	32	ARM Cortex-M3	512	80	16384	LQFP64	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	4x32/ 8x28	0	0	0	0	0	0	0	0	0	0	0	0

STM32 L1系列 – ARM® Cortex®-M3超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L152UCY6	32	ARM Cortex-M3	256	32	8192	WLCSP63	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x32/8x28	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152V8H6	32	ARM Cortex-M3	64	10	4096	UFBGA100	83	1.65	3.6	6	0	0	0	0	1	24	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152V8H6A	32	ARM Cortex-M3	64	32	4096	UFBGA100	83	1.65	3.6	8	0	0	0	0	1	24	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152V8T6	32	ARM Cortex-M3	64	10	4096	LQFP100	83	1.65	3.6	6	0	0	0	0	1	24	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152V8T6A	32	ARM Cortex-M3	64	32	4096	LQFP100	83	1.65	3.6	8	0	0	0	0	1	24	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152VBH6	32	ARM Cortex-M3	128	16	4096	UFBGA100	83	1.65	3.6	6	0	0	0	0	1	24	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152VBH6A	32	ARM Cortex-M3	128	32	4096	UFBGA100	83	1.65	3.6	8	0	0	0	0	1	24	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152VBT6	32	ARM Cortex-M3	128	16	4096	LQFP100	83	1.65	3.6	6	0	0	0	0	1	24	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152VBT6A	32	ARM Cortex-M3	128	32	4096	LQFP100	83	1.65	3.6	8	0	0	0	0	1	24	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152VCH6	32	ARM Cortex-M3	256	32	8192	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152VCT6	32	ARM Cortex-M3	256	32	8192	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152VDT6	32	ARM Cortex-M3	384	48	12288	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	3	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152VDT6x	32	ARM Cortex-M3	384	80	16384	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152VDY6x	32	ARM Cortex-M3	384	80	16384	WLCSP104	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152VET6	32	ARM Cortex-M3	512	80	16384	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152VEY6	32	ARM Cortex-M3	512	80	16384	WLCSP104	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152ZCT6	32	ARM Cortex-M3	256	32	8192	LQFP144	115	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152ZDT6	32	ARM Cortex-M3	384	48	12288	LQFP144	115	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	3	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152ZET6	32	ARM Cortex-M3	512	80	16384	LQFP144	115	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	0	0	0	0
STM32L162产品线 - 32 MHz																																																		
STM32L162QCH6	32	ARM Cortex-M3	256	32	8192	UFBGA132	109	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	1	0	0	0

STM32 L1系列 – ARM® Cortex®-M3超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L162QDH6	32	ARM Cortex-M3	384	48	12288	UFBGA132	109	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	3	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162RCT6	32	ARM Cortex-M3	256	32	8192	LQFP64	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x32/8x28	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162RDT6	32	ARM Cortex-M3	384	48	12288	LQFP64	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	3	3	0	2	2	0	5	0	0	1	0	0	1	0	0	0	0	4x32/8x28	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162RDY6	32	ARM Cortex-M3	384	48	12288	WLCSP64	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	3	3	0	2	2	0	5	0	0	1	0	0	1	0	0	0	0	4x32/8x28	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162RET6	32	ARM Cortex-M3	512	80	16384	LQFP64	51	1.65	3.6	8	1	0	0	0	1	21	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	4x32/8x28	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162VCH6	32	ARM Cortex-M3	256	32	8192	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162VCT6	32	ARM Cortex-M3	256	32	8192	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162VDT6	32	ARM Cortex-M3	384	48	12288	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	3	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162VDY6X	32	ARM Cortex-M3	384	80	16384	WLCSP104	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162VET6	32	ARM Cortex-M3	512	80	16384	LQFP100	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162VEY6	32	ARM Cortex-M3	512	80	16384	WLCSP104	83	1.65	3.6	8	1	0	0	0	1	25	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162ZCT6	32	ARM Cortex-M3	256	32	8192	LQFP144	115	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	2	3	0	2	2	0	3	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162ZDT6	32	ARM Cortex-M3	384	48	12288	LQFP144	115	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	3	3	0	2	2	0	5	0	0	1	1	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	1	0	0	0
STM32L162ZET6	32	ARM Cortex-M3	512	80	16384	LQFP144	115	1.65	3.6	8	1	0	0	0	1	40	0	0	2	2	2	3	0	2	2	0	5	0	0	0	0	0	1	0	0	0	0	4x44/8x40	0	0	0	0	0	0	0	0	1	0	0	0

STM32 L4系列 – ARM® Cortex®-M4超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L4x1入门型 - 80 MHz																																																		
STM32L431CBT6	80	ARM Cortex-M4	128	64	0	LQFP48	38	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431CBU6	80	ARM Cortex-M4	128	64	0	UFQFPN48	38	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431CBY6	80	ARM Cortex-M4	128	64	0	WLCSP49	39	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431CCT6	80	ARM Cortex-M4	256	64	0	LQFP48	38	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431CCU6	80	ARM Cortex-M4	256	64	0	UFQFPN48	38	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431CCY6	80	ARM Cortex-M4	256	64	0	WLCSP49	39	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431KBU6	80	ARM Cortex-M4	128	64	0	UFQFPN32	26	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	2	1	0	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431KCU6	80	ARM Cortex-M4	256	64	0	UFQFPN32	26	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	2	1	0	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431RBI6	80	ARM Cortex-M4	128	64	0	UFBGA64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431RBT6	80	ARM Cortex-M4	128	64	0	LQFP64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431RBY6	80	ARM Cortex-M4	128	64	0	WLCSP64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431RCI6	80	ARM Cortex-M4	256	64	0	UFBGA64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431RCT6	80	ARM Cortex-M4	256	64	0	LQFP64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431RCY6	80	ARM Cortex-M4	256	64	0	WLCSP64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431VCI6	80	ARM Cortex-M4	256	64	0	UFBGA100	83	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L431VCT6	80	ARM Cortex-M4	256	64	0	LQFP100	83	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L471QEI6	80	ARM Cortex-M4	512	128	0	UFBGA132	109	1.71	3.6	11	2	2	2	0	3	19	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
STM32L471QGI6	80	ARM Cortex-M4	1024	128	0	UFBGA132	109	1.71	3.6	11	2	2	2	0	3	19	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
STM32L471RET6	80	ARM Cortex-M4	512	128	0	LQFP64	51	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0

STM32 L4系列 – ARM® Cortex®-M4超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L471RGT6	80	ARM Cortex-M4	1024	128	0	LQFP64	51	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
STM32L471VET6	80	ARM Cortex-M4	512	128	0	LQFP100	82	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
STM32L471VGT6	80	ARM Cortex-M4	1024	128	0	LQFP100	82	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
STM32L471ZET6	80	ARM Cortex-M4	512	128	0	LQFP144	114	1.71	3.6	11	2	2	2	0	3	24	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
STM32L471ZGT6	80	ARM Cortex-M4	1024	128	0	LQFP144	114	1.71	3.6	11	2	2	2	0	3	24	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
STM32L4x2 USB FS产品线 - 80 MHz																																																		
STM32L432KBU6	80	ARM Cortex-M4	128	64	0	UFQFPN32	26	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	2	1	0	2	0	2	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L432KCU6	80	ARM Cortex-M4	256	64	0	UFQFPN32	26	1.71	3.6	7	1	1	2	0	1	10	0	0	2	2	1	2	1	0	2	0	2	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
STM32L442KCU6	80	ARM Cortex-M4	256	64	0	UFQFPN32	26	1.71	3.6	7	1	1	2	0	1	10	0	0	2	2	1	2	1	0	2	0	2	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0
STM32L4x3 USB FS & LCD 产品线 - 80 MHz																																																		
STM32L433CBT6	80	ARM Cortex-M4	128	64	0	LQFP48	38	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	1	0	0	0	0	4x19	0	0	1	0	0	0	1	1	0	0	0	0
STM32L433CBU6	80	ARM Cortex-M4	128	64	0	UFQFPN48	38	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	1	0	0	0	0	4x19	0	0	1	0	0	0	1	1	0	0	0	0
STM32L433CBY6	80	ARM Cortex-M4	128	64	0	WLCSP49	39	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	1	0	0	0	0	4x19	0	0	1	0	0	0	1	1	0	0	0	0
STM32L433CCT6	80	ARM Cortex-M4	256	64	0	LQFP48	38	1.71	3.6	7	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	1	0	0	0	0	4x19	0	0	1	0	0	0	1	1	0	0	0	0
STM32L433CCU6	80	ARM Cortex-M4	256	64	0	UFQFPN48	38	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	1	0	0	0	0	4x19	0	0	1	0	0	0	1	1	0	0	0	0
STM32L433CCY6	80	ARM Cortex-M4	256	64	0	WLCSP49	39	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	1	0	0	0	0	4x19	0	0	1	0	0	0	1	1	0	0	0	0
STM32L433RBT6	80	ARM Cortex-M4	128	64	0	LQFP64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	1	0	0	0	0	4x32/ 8x28	0	0	1	0	0	0	1	1	0	0	0	0
STM32L433RBI6	80	ARM Cortex-M4	128	64	0	UFBGA64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	1	0	0	0	0	4x32/ 8x28	0	0	1	0	0	0	1	1	0	0	0	0
STM32L433RBY6	80	ARM Cortex-M4	128	64	0	WLCSP64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	1	0	0	0	0	4x32/ 8x28	0	0	1	0	0	0	1	1	0	0	0	0
STM32L433RCI6	80	ARM Cortex-M4	256	64	0	UFBGA64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	1	0	0	0	0	4x32/ 8x28	0	0	1	0	0	0	1	1	0	0	0	0
STM32L433RCT6	80	ARM Cortex-M4	256	64	0	LQFP64	52	1.71	3.6	7	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	1	0	0	0	0	4x32/ 8x28	0	0	1	0	0	0	1	1	0	0	0	0

STM32 L4系列 – ARM® Cortex®-M4超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L433RCY6	80	ARM Cortex-M4	256	64	0	WLCSP64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	1	0	0	0	0	4x32/8x28	0	0	1	0	0	0	1	1	0	0	0	0
STM32L433VCI6	80	ARM Cortex-M4	256	64	0	UFBGA100	83	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	1	0	0	0	0	4x44/8x40	0	0	1	0	0	0	1	1	0	0	0	0
STM32L443CCT6	80	ARM Cortex-M4	256	64	0	LQFP48	38	1.71	3.6	7	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	1	0	0	0	0	4x19	0	0	1	0	0	0	1	1	1	0	0	0
STM32L443CCU6	80	ARM Cortex-M4	256	64	0	UFQFPN48	38	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	1	0	0	0	0	4x19	0	0	1	0	0	0	1	1	1	0	0	0
STM32L443CCY6	80	ARM Cortex-M4	256	64	0	WLCSP49	39	1.71	3.6	5	1	1	2	0	1	10	0	0	2	2	1	3	1	0	3	0	3	1	1	0	0	0	1	0	0	0	0	4x19	0	0	1	0	0	0	1	1	1	0	0	0
STM32L443RCI6	80	ARM Cortex-M4	256	64	0	UFBGA64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	1	0	0	0	0	4x32/8x28	0	0	1	0	0	0	1	1	1	0	0	0
STM32L443RCT6	80	ARM Cortex-M4	256	64	0	LQFP64	52	1.71	3.6	7	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	1	0	0	0	0	4x32/8x28	0	0	1	0	0	0	1	1	1	0	0	0
STM32L443RCY6	80	ARM Cortex-M4	256	64	0	WLCSP64	52	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	1	0	0	0	0	4x32/8x28	0	0	1	0	0	0	1	1	1	0	0	0
STM32L443VCI6	80	ARM Cortex-M4	256	64	0	UFBGA100	83	1.71	3.6	5	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	1	0	0	0	0	4x44/8x40	0	0	1	0	0	0	1	1	1	0	0	0
STM32L433VCT6	80	ARM Cortex-M4	256	64	0	LQFP100	83	1.71	3.6	7	1	1	2	0	1	16	0	0	2	2	1	3	1	0	3	0	3	1	1	1	0	0	1	0	0	0	0	4x44/8x40	0	0	1	0	0	0	1	1	0	0	0	0
STM32L4x5 USB OTG产品线 - 80 MHz																																																		
STM32L475RCT6	80	ARM Cortex-M4	256	128	0	LQFP64	51	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
STM32L475RET6	80	ARM Cortex-M4	512	128	0	LQFP64	51	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
STM32L475RGT6	80	ARM Cortex-M4	1024	128	0	LQFP64	51	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
STM32L475VCT6	80	ARM Cortex-M4	256	128	0	LQFP100	82	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
STM32L475VET6	80	ARM Cortex-M4	512	128	0	LQFP100	82	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
STM32L475VGT6	80	ARM Cortex-M4	1024	128	0	LQFP100	82	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
STM32L4x6 USB OTG & LCD产品线 - 80 MHz																																																		
STM32L476JEY6	80	ARM Cortex-M4	512	128	0	WLCSP72	57	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	1	0	0	0	8 × 28 or 4 × 32	0	0	2	0	0	0	0	0	0	0	0	0
STM32L476JGY6	80	ARM Cortex-M4	1024	128	0	WLCSP72	57	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	1	0	0	0	8 × 28 or 4 × 32	0	0	2	0	0	0	0	0	0	0	0	0

STM32 L4系列 – ARM® Cortex®-M4超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L476MEY6	80	ARM Cortex-M4	512	128	0	WLCSP81	65	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	1	0	0	0	8 × 30 or 4 × 44	0	0	2	0	0	0	0	0	0	0	0	0
STM32L476MGY6	80	ARM Cortex-M4	1024	128	0	WLCSP81	65	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	1	0	0	0	8 × 30 or 4 × 44	0	0	2	0	0	0	0	0	0	0	0	0
STM32L476QEI6	80	ARM Cortex-M4	512	128	0	UFBGA132	109	1.71	3.6	11	2	2	2	0	3	19	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	8 × 40 or 4 × 44	0	0	2	0	0	0	0	0	0	0	0	0
STM32L476QGI6	80	ARM Cortex-M4	1024	128	0	UFBGA132	109	1.71	3.6	11	2	2	2	0	3	19	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	8 × 40 or 4 × 44	0	0	2	0	0	0	0	0	0	0	0	0
STM32L476RCT6	80	ARM Cortex-M4	256	128	0	LQFP64	51	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	1	0	0	0	8 × 28 or 4 × 32	0	0	2	0	0	0	0	0	0	0	0	0
STM32L476RET6	80	ARM Cortex-M4	512	128	0	LQFP64	51	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	1	0	0	0	8 × 28 or 4 × 32	0	0	2	0	0	0	0	0	0	0	0	0
STM32L476RGT6	80	ARM Cortex-M4	1024	128	0	LQFP64	51	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	1	0	0	0	8 × 28 or 4 × 32	0	0	2	0	0	0	0	0	0	0	0	0
STM32L476VCT6	80	ARM Cortex-M4	256	128	0	LQFP100	82	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	8 × 40 or 4 × 44	0	0	2	0	0	0	0	0	0	0	0	0
STM32L476VET6	80	ARM Cortex-M4	512	128	0	LQFP100	82	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	8 × 40 or 4 × 44	0	0	2	0	0	0	0	0	0	0	0	0
STM32L476VGT6	80	ARM Cortex-M4	1024	128	0	LQFP100	82	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	8 × 40 or 4 × 44	0	0	2	0	0	0	0	0	0	0	0	0
STM32L476ZET6	80	ARM Cortex-M4	512	128	0	LQFP144	114	1.71	3.6	11	2	2	2	0	3	24	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	8 × 40 or 4 × 44	0	0	2	0	0	0	0	0	0	0	0	0
STM32L476ZGT6	80	ARM Cortex-M4	1024	128	0	LQFP144	114	1.71	3.6	11	2	2	2	0	3	24	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	8 × 40 or 4 × 44	0	0	2	0	0	0	0	0	0	0	0	0
STM32L486JGY6	80	ARM Cortex-M4	1024	128	0	WLCSP72	57	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	1	0	0	0	8 × 28 or 4 × 32	0	0	2	0	0	0	0	0	1	0	0	0
STM32L486QGI6	80	ARM Cortex-M4	1024	128	0	UFBGA132	109	1.71	3.6	11	2	2	2	0	3	19	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	8 × 40 or 4 × 44	0	0	2	0	0	0	0	0	1	0	0	0
STM32L486RGT6	80	ARM Cortex-M4	1024	128	0	LQFP64	51	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	0	0	0	1	0	0	0	8 × 28 or 4 × 32	0	0	2	0	0	0	0	0	1	0	0	0

STM32 L4系列 – ARM® Cortex®-M4超低功耗MCU

产品型号	主频 (MHz)	内核	FLASH (KB)	RAM (KB)	EEPROM (B)	封装	通用IO	最低工作电压	最高工作电压	16位定时器	32位定时器	电机控制定时器	低功耗定时器	高分辨率定时器	12位ADC转换单元	12位ADC通道	16位ADC转换单元	16位ADC通道	12位DAC	比较器	放大器	SPI	QUADSPI	I2S	I2C	高速I2C	U(S)ART	低功耗UART	CAN	SDIO	FSMC	FMC	从USB	全速USB OTG	高速USB OTG	以太网	MDIOS	段式LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32L486VGT6	80	ARM Cortex-M4	1024	128	0	LQFP100	82	1.71	3.6	11	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	8 × 40 or 4 × 44	0	0	2	0	0	0	0	0	1	0	0	0
STM32L486ZGT6	80	ARM Cortex-M4	1024	128	0	LQFP144	114	1.71	3.6	11	2	2	2	0	3	24	0	0	2	2	2	3	1	0	3	0	5	1	1	1	1	0	0	1	0	0	0	8 × 40 or 4 × 44	0	0	2	0	0	0	0	0	1	0	0	0

缩写和封装

缩写

ADC : Analog-to-digital converter
ART : Auto-reload timer
ATAPI : AT attachment packet interface
AWU : Auto wake-up from halt
BLPD : Byte level protocol decoder
BOD : Brown-out detector
CAN : Controller area network
CAPCOM : Capture compare
CSS : Clock security system
DALI : Digital addressable lighting interface
DDC : Data display channel
DiSEqC : Digital satellite equipment control
DMA : Direct memory access
DSC : Dual supply control
DTC : Data transfer coprocessor
ETM : Embedded trace macrocell
EMI : External memory interface
HDLC : High-level data link control
IAP : In-application programming
IC/OC : Input capture/output compare
ICP : programming
IR : Infrared
IrDA : Infrared data association
ISP : In-situ programming
I^2C : Inter-integrated circuit
I^2S : Inter-IC sound
LCD : Liquid crystal display
LIN : Local interconnect network
LVD : Low voltage detection
MAC : Multiply accumulator
MC : Motor control
MFT : Multifunction timer
MMC : MultiMediaCard
NMI : Non-maskable interrupt
OSG : Oscillator safeguard
PCA : Programmable counter array
PDR : Power-down reset
PHW : Programmable halt wake-up
PEC : Peripheral event controller
PLD : Programmable logic device
PLL : Phase locked loop
POR : Power-on reset
PVD : Programmable voltage detector
PVR : Programmable voltage regulator
PWM : Pulse width modulation
ROP : Readout protection
RTC : Real-time clock timer
SAI : Serial Audio Interface
SC : Smartcard
SCI : Serial communication interface
SCR : Smartcard reader
SDIO : Secure digital input output
SDMMC : Secure Digital / Multi Media Card
SMI : Serial memory interface
SPI : Serial peripheral interface
SSC : Single-cycle switching support
SSP : Synchronous serial port
TBU : Time base unit
TLI : Top level interrupt
UART : Universal asynchronous receiver transmitter
USART : Universal sync/async receiver transmitter
USB : Universal Serial Bus
WDG : Watchdog timer
WWDG : Window watchdog timer

封装

DIP : Dual in-line package
LCC : Leaded chip carrier
PDIP Shrink : Shrink Plastic Dual In-line Package
PQFP : Plastic quad flat package
SO : Small outline
LQFP : Low-profile quad flat package
PBGA : Plastic ball grid array
DFN : Dual flat no-lead
QFN : Quad flat no-lead
WLCSP : Wafer-Level Chip-Scale Package

STM32 & STM8产品型号

STM32	F	051	R	8	T	6	x	xx

家族

STM32 32位MCU
STM8 8位MCU

产品类别

A 汽车级
F 基础型
L 超低功耗
S 标准型
T 触摸感应
W 无线产品
xP Fastrom

特定功能 (3位数字)

(依据产品系列非详细列表)

STM32x …
051 入门级
103 STM32基础型
303 103升级版， 带DSP和模拟外设
407 高性能，带DSP和FPU
152 超低功耗

STM8x …/STM8Ax…
103 主流入门级
F52 汽车级CAN
L31 低端汽车级

引脚数(适用于STM8和STM32)

D	14引脚	C	48 & 49引脚	A	169引脚
Y	20引脚(STM8)	U	63引脚	I	176 & 201 (176+25)引脚
F	20引脚(STM32)	R	64 & 66引脚	B	208引脚
E	24 & 25引脚	J	72引脚	N	216引脚
G	28引脚	M	80引脚	X	256引脚
K	32引脚	O	90引脚	汽车级	
T	36引脚	V	100引脚	8	48
H	40引脚	Q	132引脚	9	64
S	44引脚	Z	144引脚	A	80

闪存容量(Kbytes)

0	1
1	2
2	4
3	8
4	16
5	24
6	32
7	48
8	64
9	72
A	96 or 128*
B	128
Z	192
C	256
D	384
E	512
F	768
G	1024
H	1536
I	2048

Note:
* 仅针对STM8A

封装

B Plastic DIP*
D Ceramic DIP*
G Ceramic QFP
H LFBGA /TFBGA
I UFBGA Pitch 0.5**
J UFBGA Picth 0.8**
K UFBGA Picth 0.65**
M Plastic SO
P TSSOP
Q Plastic QFP
T QFP
U UFQFPN
V VFQFPN
Y WLCSP

* Dual-in-Line封装
** 仅针对全新产品系列
现有产品系列请使用H

温度范围(°C)

6和A - 40到+ 85
7和B - 40到+ 105
3和C - 40到+ 125
D - 40到+ 150

固件版税

U Universal 不用于生产(样品和工具)
V MP3解码器
W MP3编解码器
J 0.80 mm
D IS2T JAVA

选项

xxx Fastrom code
or
xTR Tape and Real
Dxx No RTC (STM8L)
Dxx BOR OFF with Special bonding + Boot standard
Dxx BOR OFF with Boot I2CS (Special)
Sxx BOR OFF
Ixx BOR ON
No Letter BOR ON + Boot standard
or
Yxx Die rev (Y)

ST MCU Finder

安装免费手机应用，
寻找理想的ST MCU

从豌豆荚下载

App Store
下载

官方微信号：

STM32单片机

life.augmented

© STMicroelectronics - July 2016 - Printed in China - All rights reserved
The STMicroelectronics corporate logo is a registered trademark
of the STMicroelectronics group of companies
All other names are the property of their respective owners

更多产品详情，敬请访问www.stmcu.com.cn