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) 15

高性能MCU

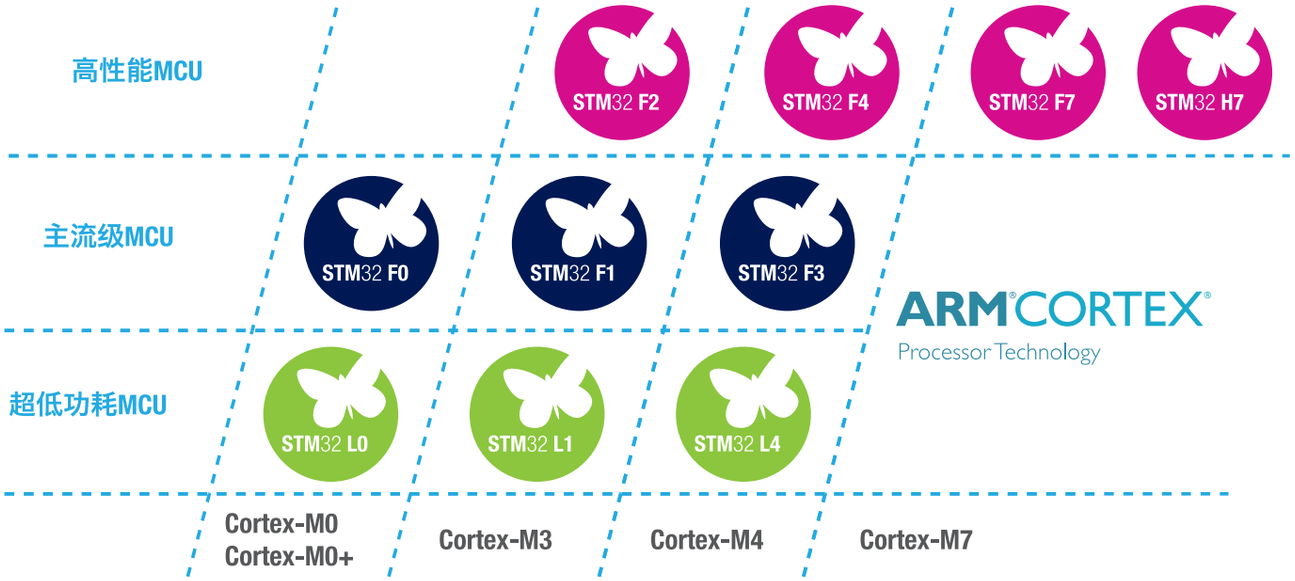
STM32 F2系列 – ARM® Cortex®-M3高性能MCU 20
STM32 F4系列 – ARM® Cortex®-M4高性能MCU
(附带DSP和FPU) 23
STM32 F7系列 – ARM® Cortex®-M7高性能MCU 33
STM32 H7系列 - ARM® Cortex®-M7超高性能MCU.....39

超低功耗MCU

STM32 L0系列 – ARM® Cortex®-M0+超低功耗MCU 40
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

Selection Guide 2017 0327 转曲.indd 1 2017/3/27 16:58:40

32位MCU - ARM® Cortex®-M内核



Selection Guide 2017 0327 转曲.indd 2 2017/3/27 16:58:41

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																																																		
STM32F030F4P6	48	ARM Cortex-M0	16	4	0	TSSOP20	15	2.4	3.6	5	0	1	0	0	1	11	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	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
STM32F030C6T6	48	ARM Cortex-M0	32	4	0	LQFP48	39	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
STM32F030C8T6	48	ARM Cortex-M0	64	8	0	LQFP48	39	2.4	3.6	7	0	1	0	0	1	12	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
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
STM32F030R8T6	48	ARM Cortex-M0	64	8	0	LQFP64	55	2.4	3.6	7	0	1	0	0	1	18	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
STM32F070F6P6	48	ARM Cortex-M0	32	6	0	TSSOP20	15	2.4	3.6	5	0	1	0	0	1	9	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
STM32F070C6T6	48	ARM Cortex-M0	32	6	0	LQFP48	37	2.4	3.6	5	0	1	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
STM32F070CBT6	48	ARM Cortex-M0	128	16	0	LQFP48	37	2.4	3.6	8	0	1	0	0	1	10	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
STM32F070RBT6	48	ARM Cortex-M0	128	16	0	LQFP64	51	2.4	3.6	8	0	1	0	0	1	16	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入门型 - 48 MHz																																																		
STM32F031F4P6	48	ARM Cortex-M0	16	4	0	TSSOP20	15	2	3.6	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
STM32F031G4U6	48	ARM Cortex-M0	16	4	0	UFQFPN28	23	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
STM32F031K4U6	48	ARM Cortex-M0	16	4	0	UFQFPN32	27	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
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
STM32F031C4T6	48	ARM Cortex-M0	16	4	0	LQFP48	39	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	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
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
STM32F031G6U6	48	ARM Cortex-M0	32	4	0	UFQFPN28	23	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
STM32F031K6T6	48	ARM Cortex-M0	32	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
STM32F031K6U6	48	ARM Cortex-M0	32	4	0	UFQFPN32	27	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

Selection Guide 2017 0401.indd 3 2017/4/1 11:56:38

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
STM32F031C6T6	48	ARM Cortex-M0	32	4	0	LQFP48	39	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
STM32F051K4T6	48	ARM Cortex-M0	16	8	0	LQFP32	25	2	3.6	7	1	1	0	0	1	10	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	10	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	LQFP32	25	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
STM32F051K6U6	48	ARM Cortex-M0	32	8	0	UFQFPN32	27	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
STM32F051K8T6	48	ARM Cortex-M0	64	8	0	LQFP32	25	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
STM32F051K8U6	48	ARM Cortex-M0	64	8	0	UFQFPN32	27	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
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
STM32F051C4T6	48	ARM Cortex-M0	16	8	0	LQFP48	39	2	3.6	7	1	1	0	0	1	10	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	10	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	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
STM32F051C6U6	48	ARM Cortex-M0	32	8	0	UFQFPN48	39	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
STM32F051C8T6	48	ARM Cortex-M0	64	8	0	LQFP48	39	2	3.6	7	1	1	0	0	1	10	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	10	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
STM32F051R4T6	48	ARM Cortex-M0	16	8	0	LQFP64	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
STM32F051R6T6	48	ARM Cortex-M0	32	8	0	LQFP64	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
STM32F051R8T6	48	ARM Cortex-M0	64	8	0	LQFP64	55	2	3.6	7	1	1	0	0	1	16	0	0	1	2	0	2	0	1	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	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
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
STM32F051R8H6	48	ARM Cortex-M0	64	8	0	UFBGA64	55	2	3.6	7	1	1	0	0	1	16	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
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
STM32F071CBT6	48	ARM Cortex-M0	128	16	0	LQFP48	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

Selection Guide 2017 0401.indd 4 2017/4/1 11:56:39

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
STM32F071CBU6	48	ARM Cortex-M0	128	16	0	UFQFPN48	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
STM32F071RBT6	48	ARM Cortex-M0	128	16	0	LQFP64	51	2	3.6	8	1	1	0	0	1	16	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
STM32F071V8H6	48	ARM Cortex-M0	64	16	0	UFBGA100	87	2	3.6	8	1	1	0	0	1	16	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
STM32F071V8T6	48	ARM Cortex-M0	64	16	0	LQFP100	87	2	3.6	8	1	1	0	0	1	16	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
STM32F071VBH6	48	ARM Cortex-M0	128	16	0	UFBGA100	87	2	3.6	8	1	1	0	0	1	16	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
STM32F071VBT6	48	ARM Cortex-M0	128	16	0	LQFP100	87	2	3.6	8	1	1	0	0	1	16	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
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
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
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
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
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
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
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
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
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
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	0
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	0
STM32F0x2 USB型 - 48 MHz																																																			
STM32F042F4P6	48	ARM Cortex-M0	16	6	0	TSSOP20	16	2	3.6	5	1	1	0	0	1	9	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	0

Selection Guide 2017 0401.indd 5 2017/4/1 11:56:40

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
STM32F042F6P6	48	ARM Cortex-M0	32	6	0	TSSOP20	16	2	3.6	5	1	1	0	0	1	9	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	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
STM32F042G6U6	48	ARM Cortex-M0	32	6	0	UFQFPN28	24	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
STM32F042K4T6	48	ARM Cortex-M0	16	6	0	LQFP32	26	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
STM32F042K4U6	48	ARM Cortex-M0	16	6	0	UFQFPN32	28	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	26	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
STM32F042K6U6	48	ARM Cortex-M0	32	6	0	UFQFPN32	28	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
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
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
STM32F042C4T6	48	ARM Cortex-M0	16	6	0	LQFP48	38	2	3.6	5	1	1	0	0	1	10	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
STM32F042C4U6	48	ARM Cortex-M0	16	6	0	UFQFPN48	38	2	3.6	5	1	1	0	0	1	10	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	38	2	3.6	5	1	1	0	0	1	10	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	UFQFPN48	38	2	3.6	5	1	1	0	0	1	10	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
STM32F072C8T6	48	ARM Cortex-M0	64	16	0	LQFP48	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
STM32F072C8U6	48	ARM Cortex-M0	64	16	0	UFQFPN48	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
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
STM32F072CBT6	48	ARM Cortex-M0	128	16	0	LQFP48	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
STM32F072CBU6	48	ARM Cortex-M0	128	16	0	UFQFPN48	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
STM32F072R8T6	48	ARM Cortex-M0	64	16	0	LQFP64	51	2	3.6	8	1	1	0	0	1	16	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
STM32F072RBH6	48	ARM Cortex-M0	128	16	0	UFBGA64	51	2	3.6	8	1	1	0	0	1	16	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
STM32F072RBT6	48	ARM Cortex-M0	128	16	0	LQFP64	51	2	3.6	8	1	1	0	0	1	16	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
STM32F072V8H6	48	ARM Cortex-M0	64	16	0	UFBGA100	87	2	3.6	8	1	1	0	0	1	16	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

Selection Guide 2017 0401.indd 6 2017/4/1 11:56:40

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
STM32F072V8T6	48	ARM Cortex-M0	64	16	0	LQFP100	87	2	3.6	8	1	1	0	0	1	16	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
STM32F072VBH6	48	ARM Cortex-M0	128	16	0	UFBGA100	87	2	3.6	8	1	1	0	0	1	16	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
STM32F072VBT6	48	ARM Cortex-M0	128	16	0	LQFP100	87	2	3.6	8	1	1	0	0	1	16	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
STM32F0x8低电压型 - 48 MHz																																																			
STM32F038F6P6	48	ARM Cortex-M0	32	4	0	TSSOP20	14	1.65	1.95	5	1	1	0	0	1	8	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
STM32F038G6U6	48	ARM Cortex-M0	32	4	0	UFQFPN28	22	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
STM32F038K6U6	48	ARM Cortex-M0	32	4	0	UFQFPN32	26	1.65	1.95	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	0
STM32F038C6T6	48	ARM Cortex-M0	32	4	0	LQFP48	38	1.65	1.95	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	0
STM32F048G6U6	48	ARM Cortex-M0	32	6	0	UFQFPN28	24	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
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
STM32F048C6U6	48	ARM Cortex-M0	32	6	0	UFQFPN48	37	1.65	1.95	5	1	1	0	0	1	10	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
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
STM32F058C8U6	48	ARM Cortex-M0	64	8	0	UFQFPN48	38	1.65	1.95	7	1	1	0	0	1	10	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
STM32F058R8H6	48	ARM Cortex-M0	64	8	0	UFBGA64	54	1.65	1.95	7	1	1	0	0	1	16	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
STM32F058R8T6	48	ARM Cortex-M0	64	8	0	LQFP64	54	1.65	1.95	7	1	1	0	0	1	16	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
STM32F078CBT6	48	ARM Cortex-M0	128	16	0	LQFP48	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
STM32F078CBU6	48	ARM Cortex-M0	128	16	0	UFQFPN48	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
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	16	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	UFBGA100	86	1.65	1.95	8	1	1	0	0	1	16	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	16	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

Selection Guide 2017 0401.indd 7 2017/4/1 11:56:41

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
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
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
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

Selection Guide 2017 0401.indd 8 2017/4/1 11:56:41

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
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
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
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
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

Selection Guide 2017 0401.indd 9 2017/4/1 11:56:42

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
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入门型 - 36 MHz																																																			
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
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
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
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	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	0
STM32F101C8T6	36	ARM Cortex-M3	64	10	0	LQFP48	37	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
STM32F101CBT6	36	ARM Cortex-M3	128	16	0	LQFP48	37	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	UFQFPN48	37	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	37	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
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
STM32F101RBT6	36	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	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	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	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
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	0

Selection Guide 2017 0401.indd 10 2017/4/1 11:56:43

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
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	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	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	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	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	0
STM32F101RFT6	36	ARM Cortex-M3	768	80	0	LQFP64	51	2	3.6	12	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
STM32F101RGT6	36	ARM Cortex-M3	1024	80	0	LQFP64	51	2	3.6	12	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
STM32F101VFT6	36	ARM Cortex-M3	768	80	0	LQFP100	80	2	3.6	12	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	0
STM32F101VGT6	36	ARM Cortex-M3	1024	80	0	LQFP100	80	2	3.6	12	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	0
STM32F101ZFT6	36	ARM Cortex-M3	768	80	0	LQFP144	112	2	3.6	12	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	0
STM32F101ZGT6	36	ARM Cortex-M3	1024	80	0	LQFP144	112	2	3.6	12	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	0
STM32F102 USB型 - 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	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	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	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	0
STM32F102C8T6	48	ARM Cortex-M3	64	10	0	LQFP48	37	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
STM32F102CBT6	48	ARM Cortex-M3	128	16	0	LQFP48	37	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
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	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	0
STM32F103性能型 -72MHz																																																			
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	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	0

Selection Guide 2017 0401.indd 11 2017/4/1 11:56:43

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
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	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	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	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	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	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	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	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	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	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
STM32F103C8T6	72	ARM Cortex-M3	64	20	0	LQFP48	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	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	0
STM32F103CBT6	72	ARM Cortex-M3	128	20	0	LQFP48	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	0
STM32F103CBU6	72	ARM Cortex-M3	128	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	0
STM32F103R8T6	72	ARM Cortex-M3	64	20	0	LQFP64	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	0
STM32F103R8H6	72	ARM Cortex-M3	64	20	0	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	0
STM32F103RBT6	72	ARM Cortex-M3	128	20	0	LQFP64	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	0
STM32F103RBH6	72	ARM Cortex-M3	128	20	0	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	0
STM32F103V8T6	72	ARM Cortex-M3	64	20	0	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
STM32F103V8H6	72	ARM Cortex-M3	64	20	0	LFBGA100	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
STM32F103VBT6	72	ARM Cortex-M3	128	20	0	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

Selection Guide 2017 0401.indd 12 2017/4/1 11:56:44

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
STM32F103VBH6	72	ARM Cortex-M3	128	20	0	LFBGA100	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
STM32F103VBI6	72	ARM Cortex-M3	128	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
STM32F103RCT6	72	ARM Cortex-M3	256	48	0	LQFP64	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
STM32F103RDT6	72	ARM Cortex-M3	384	64	0	LQFP64	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
STM32F103RET6	72	ARM Cortex-M3	512	64	0	LQFP64	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
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
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
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
STM32F103VCT6	72	ARM Cortex-M3	256	48	0	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
STM32F103VDT6	72	ARM Cortex-M3	384	64	0	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
STM32F103VET6	72	ARM Cortex-M3	512	64	0	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
STM32F103VCH6	72	ARM Cortex-M3	256	48	0	LFBGA100	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
STM32F103VDH6	72	ARM Cortex-M3	384	64	0	LFBGA100	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
STM32F103VEH6	72	ARM Cortex-M3	512	64	0	LFBGA100	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
STM32F103ZCT6	72	ARM Cortex-M3	256	48	0	LQFP144	112	2	3.6	8	0	2	0	0	3	21	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
STM32F103ZDT6	72	ARM Cortex-M3	384	64	0	LQFP144	112	2	3.6	8	0	2	0	0	3	21	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
STM32F103ZET6	72	ARM Cortex-M3	512	64	0	LQFP144	112	2	3.6	8	0	2	0	0	3	21	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
STM32F103ZCH6	72	ARM Cortex-M3	256	48	0	LFBGA144	112	2	3.6	8	0	2	0	0	3	21	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
STM32F103ZDH6	72	ARM Cortex-M3	384	64	0	LFBGA144	112	2	3.6	8	0	2	0	0	3	21	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
STM32F103ZEH6	72	ARM Cortex-M3	512	64	0	LFBGA144	112	2	3.6	8	0	2	0	0	3	21	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
STM32F103RFT6	72	ARM Cortex-M3	768	96	0	LQFP64	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	0	0	1	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	14	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

Selection Guide 2017 0401.indd 13 2017/4/1 11:56:44

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
STM32F103VFT6	72	ARM Cortex-M3	768	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
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
STM32F103ZFT6	72	ARM Cortex-M3	768	96	0	LQFP144	112	2	3.6	14	0	2	0	0	3	21	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	LQFP144	112	2	3.6	14	0	2	0	0	3	21	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	112	2	3.6	14	0	2	0	0	3	21	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	112	2	3.6	14	0	2	0	0	3	21	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连接型 - 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	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	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
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	1	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	1	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	1	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	LQFP100	80	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	1	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	80	2	3.6	7	0	1	0	0	2	16	0	0	2	0	0	3	0	2	1	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

Selection Guide 2017 0401.indd 14 2017/4/1 11:56:45

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入门型 - 72 MHz																																																		
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	[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
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	[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
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	[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
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	[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
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
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	[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
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	[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
STM32F302 USB型 - 72 MHz																																																		
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	[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
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	[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
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	[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
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	[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
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
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	[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
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	[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	[2]	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	[2]	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	[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

Selection Guide 2017 0401.indd 15 2017/4/1 11:56:46

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	[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	[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
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	[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
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
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	[3]	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
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	[3]	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
STM32F302VDT6	72	ARM Cortex-M4	384	64	0	LQFP100	82	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
STM32F302VDH6	72	ARM Cortex-M4	384	64	0	UFBGA100	84	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
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
STM32F302VET6	72	ARM Cortex-M4	512	64	0	LQFP100	82	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	84	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
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	[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
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	[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
STM32F303性能型 - 72 MHz																																																			
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	[1]	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
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	[1]	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
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	[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
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	[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
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	[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
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	[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

Selection Guide 2017 0401.indd 16 2017/4/1 11:56:46

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
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	[2]	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	[2]	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
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	[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
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	[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
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	[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
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	[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
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
STM32F303RDT6	72	ARM Cortex-M4	384	80	0	LQFP64	51	2	3.6	9	1	2	0	0	4	22	0	0	2	7	4	4	0	2	3	[3]	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
STM32F303RET6	72	ARM Cortex-M4	512	80	0	LQFP64	51	2	3.6	9	1	2	0	0	4	22	0	0	2	7	4	4	0	2	3	[3]	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
STM32F303VDT6	72	ARM Cortex-M4	384	80	0	LQFP100	82	2	3.6	10	1	3	0	0	4	39	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
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	[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
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
STM32F303VET6	72	ARM Cortex-M4	512	80	0	LQFP100	82	2	3.6	10	1	3	0	0	4	39	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	[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
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	0	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	[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
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	[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
STM32F373精确测量型 - 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	[2]	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
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	[2]	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

Selection Guide 2017 0401.indd 17 2017/4/1 11:56:47

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
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	[2]	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	[2]	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	[2]	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	[2]	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	0	2	[2]	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	0	2	[2]	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	0	2	[2]	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	[2]	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数字电源型 - 72 MHz																																																			
STM32F334K4T6	72	ARM Cortex-M4	16	16	0	LQFP32	25	2	3.6	7	1	1	0	1	2	9	0	0	3	2	1	1	0	0	1	[1]	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	1	2	9	0	0	3	2	1	1	0	0	1	[1]	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	1	2	9	0	0	3	2	1	1	0	0	1	[1]	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
STM32F334C4T6	72	ARM Cortex-M4	16	16	0	LQFP48	37	2	3.6	7	1	1	0	1	2	15	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
STM32F334C6T6	72	ARM Cortex-M4	32	16	0	LQFP48	37	2	3.6	7	1	1	0	1	2	15	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
STM32F334C8T6	72	ARM Cortex-M4	64	16	0	LQFP48	37	2	3.6	7	1	1	0	1	2	15	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
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	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
STM32F334R8T6	72	ARM Cortex-M4	64	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
STM32F3x8低电压型 - 72 MHz																																																			
STM32F318K8U6	72	ARM Cortex-M4	64	16	0	UFQFPN32	23	1.65	1.95	5	1	1	0	0	1	8	0	0	1	2	1	2	0	2	3	[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
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	0

Selection Guide 2017 0401.indd 18 2017/4/1 11:56:47

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
STM32F318C8T6	72	ARM Cortex-M4	64	16	0	LQFP48	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
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	[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
STM32F358CCT6	72	ARM Cortex-M4	256	48	0	LQFP48	36	1.65	1.95	9	1	2	0	0	4	14	0	0	2	7	4	3	0	2	2	[2]	3+2	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	9	1	2	0	0	4	21	0	0	2	7	4	3	0	2	2	[2]	3+2	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	9	1	2	0	0	4	38	0	0	2	7	4	3	0	2	2	[2]	3+2	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	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
STM32F378RCT6	72	ARM Cortex-M4	256	32	0	LQFP64	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
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
STM32F378VCT6	72	ARM Cortex-M4	256	32	0	LQFP100	83	1.65	1.95	12	2	0	0	0	1	16	3	21	3	2	0	3	0	3	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	83	1.65	1.95	12	2	0	0	0	1	16	3	21	3	2	0	3	0	3	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
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	[3]	3+2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Selection Guide 2017 0401.indd 19 2017/4/1 11:56:48

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基础型 - 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	1	1	0	0	0	0	0	0	0	0	0	0	1	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	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F205RET6	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	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F205REY6	120	ARM Cortex-M3	512	128	0	WLCSP66	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	1	1	0	0	0	0	0	0	0	0	0	0	1	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	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F205RGT6	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	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
STM32F205RGY6	120	ARM Cortex-M3	1024	128	0	WLCSP66	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	1	1	0	0	0	0	0	0	0	0	0	0	1	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	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	1	1	0	0	0	0	0	0	0	0	0	0	1	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	1	1	0	0	0	0	0	0	0	0	0	0	1	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0

Selection Guide 2017 0401.indd 20 2017/4/1 11:56:48

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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
STM32F2x7基础型 - 120 MHz																																																		
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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0
STM32F207ICT6	120	ARM Cortex-M3	256	128	0	LQFP176	140	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0
STM32F207IET6	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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0
STM32F207IFT6	120	ARM Cortex-M3	768	128	0	LQFP176	140	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0
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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	3	0	4+2	0	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	0

Selection Guide 2017 0401.indd 21 2017/4/1 11:56:49

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	彩色LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	0
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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	0

Selection Guide 2017 0401.indd 22 2017/4/1 11:56:49

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	UFQFPN48	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
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
STM32F401RBT6	84	ARM Cortex-M4	128	64	0	LQFP64	50	1.7	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
STM32F401VBT6	84	ARM Cortex-M4	128	64	0	LQFP100	81	1.7	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
STM32F401VBH6	84	ARM Cortex-M4	128	64	0	UFBGA100	81	1.7	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
STM32F401CCU6	84	ARM Cortex-M4	256	64	0	UFQFPN48	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
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
STM32F401RCT6	84	ARM Cortex-M4	256	64	0	LQFP64	50	1.7	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
STM32F401VCT6	84	ARM Cortex-M4	256	64	0	LQFP100	81	1.7	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	UFBGA100	81	1.7	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
STM32F401CDU6	84	ARM Cortex-M4	384	96	0	UFQFPN48	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
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
STM32F401RDT6	84	ARM Cortex-M4	384	96	0	LQFP64	50	1.7	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
STM32F401VDT6	84	ARM Cortex-M4	384	96	0	LQFP100	81	1.7	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	UFBGA100	81	1.7	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
STM32F401CEU6	84	ARM Cortex-M4	512	96	0	UFQFPN48	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
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
STM32F401RET6	84	ARM Cortex-M4	512	96	0	LQFP64	50	1.7	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
STM32F401VET6	84	ARM Cortex-M4	512	96	0	LQFP100	81	1.7	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	UFBGA100	81	1.7	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

Selection Guide 2017 0401.indd 23 2017/4/1 11:56:50

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																																																		
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
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	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
STM32F410R8T6	100	ARM Cortex-M4	64	32	0	LQFP64	50	1.7	3.6	4	1	1	1	0	1	16	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
STM32F410RBT6	100	ARM Cortex-M4	128	32	0	LQFP64	50	1.7	3.6	4	1	1	1	0	1	16	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
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
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
STM32F411CEU6	100	ARM Cortex-M4	512	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
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
STM32F411RCT6	100	ARM Cortex-M4	256	128	0	LQFP64	50	1.7	3.6	6	2	1	0	0	1	16	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
STM32F411RET6	100	ARM Cortex-M4	512	128	0	LQFP64	50	1.7	3.6	6	2	1	0	0	1	16	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
STM32F411VCT6	100	ARM Cortex-M4	256	128	0	LQFP100	81	1.7	3.6	6	2	1	0	0	1	16	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
STM32F411VCH6	100	ARM Cortex-M4	256	128	0	UFBGA100	81	1.7	3.6	6	2	1	0	0	1	16	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
STM32F411VET6	100	ARM Cortex-M4	512	128	0	LQFP100	81	1.7	3.6	6	2	1	0	0	1	16	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
STM32F411VEH6	100	ARM Cortex-M4	512	128	0	UFBGA100	81	1.7	3.6	6	2	1	0	0	1	16	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
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	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	1	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	1	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	1	0	0	1	0	0	0	0

Selection Guide 2017 0401.indd 24 2017/4/1 11:56:51

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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	0	0	1	0	0	0	0
STM32F413/423入门型 - 100MHz																																																		
STM32F413CGU6	100	ARM Cortex-M4	1024	320	0	UFQFPN48	36	1.7	3.6	12	2	2	1	0	1	10	0	0	2	0	0	5	0	5	4	[1]	3+3	0	3	1	0	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0
STM32F413RGT6	100	ARM Cortex-M4	1024	320	0	LQFP64	50	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+3	0	3	1	0	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0
STM32F413VGT6	100	ARM Cortex-M4	1024	320	0	LQFP100	81	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+6	0	3	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0
STM32F413VGJ6	100	ARM Cortex-M4	1024	320	0	UFBGA100	81	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+6	0	3	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0
STM32F413ZGT6	100	ARM Cortex-M4	1024	320	0	LQFP144	114	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+6	0	3	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0
STM32F413ZGJ6	100	ARM Cortex-M4	1024	320	0	UFBGA144	114	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+6	0	3	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0
STM32F413CHU6	100	ARM Cortex-M4	1536	320	0	UFQFPN48	36	1.7	3.6	12	2	2	1	0	1	10	0	0	2	0	0	5	0	5	4	[1]	3+3	0	3	1	0	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0
STM32F413RHT6	100	ARM Cortex-M4	1536	320	0	LQFP64	50	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+3	0	3	1	0	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0
STM32F413VHT6	100	ARM Cortex-M4	1536	320	0	LQFP100	81	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+6	0	3	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0
STM32F413VHJ6	100	ARM Cortex-M4	1536	320	0	UFBGA100	81	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+6	0	3	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0

Selection Guide 2017 0401.indd 25 2017/4/1 11:56:51

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
STM32F413ZHT6	100	ARM Cortex-M4	1536	320	0	LQFP144	114	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+6	0	3	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0
STM32F413ZHJ6	100	ARM Cortex-M4	1536	320	0	UFBGA144	114	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+6	0	3	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0
STM32F423CHU6	100	ARM Cortex-M4	1536	320	0	UFQFPN48	36	1.7	3.6	12	2	2	1	0	1	10	0	0	2	0	0	5	0	5	4	[1]	3+3	0	3	1	0	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	1	0	0	0
STM32F423RHT6	100	ARM Cortex-M4	1536	320	0	LQFP64	50	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+3	0	3	1	0	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	1	0	0	0
STM32F423VHT6	100	ARM Cortex-M4	1536	320	0	LQFP100	81	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+6	0	3	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	1	0	0	0
STM32F423VHJ6	100	ARM Cortex-M4	1536	320	0	UFBGA100	81	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+6	0	3	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	1	0	0	0
STM32F423ZHT6	100	ARM Cortex-M4	1536	320	0	LQFP144	114	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+6	0	3	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	1	0	0	0
STM32F423ZHJ6	100	ARM Cortex-M4	1536	320	0	UFBGA144	114	1.7	3.6	12	2	2	1	0	1	16	0	0	2	0	0	5	1	5	4	[1]	4+6	0	3	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	1	1	0	0	0
STM32F405 / 415基本型 - 168 MHz																																																		
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	1	0	0	0	0
STM32F405OGY6	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
STM32F405OEY6	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
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	1	0	0	0	0
STM32F405ZGT6	168	ARM Cortex-M4	1024	192	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
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	1	1	1	1	1
STM32F415OGY6	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
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	1	1	1	1	1
STM32F415ZGT6	168	ARM Cortex-M4	1024	192	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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
STM32F407 / 417基本型 - 168 MHz																																																		
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	1	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	1	0	0	0	0
STM32F407ZET6	168	ARM Cortex-M4	512	192	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0

Selection Guide 2017 0401.indd 26 2017/4/1 11:56:52

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
STM32F407ZGT6	168	ARM Cortex-M4	1024	192	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0
STM32F407IET6	168	ARM Cortex-M4	512	192	0	LQFP176	140	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0
STM32F407IEH6	168	ARM Cortex-M4	512	192	0	UFBGA176	140	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0
STM32F407IGT6	168	ARM Cortex-M4	1024	192	0	LQFP176	140	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0
STM32F407IGH6	168	ARM Cortex-M4	1024	192	0	UFBGA176	140	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0
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	1	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	1	1	1	1	1
STM32F417ZET6	168	ARM Cortex-M4	512	192	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	1
STM32F417ZGT6	168	ARM Cortex-M4	1024	192	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	1
STM32F417IET6	168	ARM Cortex-M4	512	192	0	LQFP176	140	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	1
STM32F417IEH6	168	ARM Cortex-M4	512	192	0	UFBGA176	140	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	1
STM32F417IGT6	168	ARM Cortex-M4	1024	192	0	LQFP176	140	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	1
STM32F417IGH6	168	ARM Cortex-M4	1024	192	0	UFBGA176	140	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	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	1
STM32F446基本型 - 180 MHz																																																		
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
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	1.8	3.6	12	2	2	0	0	3	16	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
STM32F446RET6	180	ARM Cortex-M4	512	128	0	LQFP64	50	1.8	3.6	12	2	2	0	0	3	16	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
STM32F446VCT6	180	ARM Cortex-M4	256	128	0	LQFP100	81	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	4	1	2	4	[1]	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0
STM32F446VET6	180	ARM Cortex-M4	512	128	0	LQFP100	81	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	4	1	3	4	[1]	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0
STM32F446ZCT6	180	ARM Cortex-M4	256	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	4	1	3	4	[1]	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0

Selection Guide 2017 0401.indd 27 2017/4/1 11:56:53

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
STM32F446ZCH6	180	ARM Cortex-M4	256	128	0	UFBGA144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	4	1	3	4	[1]	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0
STM32F446ZET6	180	ARM Cortex-M4	512	128	0	LQFP144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	4	1	3	4	[1]	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0
STM32F446ZEH6	180	ARM Cortex-M4	512	128	0	UFBGA144	114	1.8	3.6	12	2	2	0	0	3	24	0	0	2	0	0	4	1	3	4	[1]	4+2	0	2	1	0	1	0	1	1	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0
STM32F427 / 437高级型 - 180 MHz																																																		
STM32F427VGT6	180	ARM Cortex-M4	1024	256	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	4	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
STM32F427VIT6	180	ARM Cortex-M4	2048	256	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	4	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
STM32F427ZGT6	180	ARM Cortex-M4	1024	256	0	LQFP144	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
STM32F427ZIT6	180	ARM Cortex-M4	2048	256	0	LQFP144	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
STM32F427AGH6	180	ARM Cortex-M4	1024	256	0	UFBGA169	130	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
STM32F427AIH6	180	ARM Cortex-M4	2048	256	0	UFBGA169	130	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
STM32F427IGT6	180	ARM Cortex-M4	1024	256	0	LQFP176	140	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
STM32F427IGH6	180	ARM Cortex-M4	1024	256	0	UFBGA176	140	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
STM32F427IIT6	180	ARM Cortex-M4	2048	256	0	LQFP176	140	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
STM32F427IIH6	180	ARM Cortex-M4	2048	256	0	UFBGA176	140	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
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	4	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
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	4	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
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	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	1	1	1	1	1
STM32F437AIH6	180	ARM Cortex-M4	2048	256	0	UFBGA169	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
STM32F437IGT6	180	ARM Cortex-M4	1024	256	0	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	1	1	1	1	1
STM32F437IGH6	180	ARM Cortex-M4	1024	256	0	UFBGA176	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	1	1	1	1	1

Selection Guide 2017 0401.indd 28 2017/4/1 11:56:53

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
STM32F437IIT6	180	ARM Cortex-M4	2048	256	0	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	1	1	1	1	1
STM32F437IIH6	180	ARM Cortex-M4	2048	256	0	UFBGA176	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	1	1	1	1	1
STM32F429 / 439高级型 - 180 MHz																																																		
STM32F429VET6	180	ARM Cortex-M4	512	256	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	4	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
STM32F429VGT6	180	ARM Cortex-M4	1024	256	0	LQFP100	82	1.8	3.6	12	2	2	0	0	3	16	0	0	2	0	0	4	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
STM32F429VIT6	180	ARM Cortex-M4	2048	256	0	LQFP100	82	1.8	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	1	0	0	0	0
STM32F429ZET6	180	ARM Cortex-M4	512	256	0	LQFP144	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	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	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
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
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
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
STM32F429AGH6	180	ARM Cortex-M4	1024	256	0	UFBGA169	130	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
STM32F429AIH6	180	ARM Cortex-M4	2048	256	0	UFBGA169	130	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
STM32F429IEH6	180	ARM Cortex-M4	512	256	0	UFBGA176	140	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
STM32F429IET6	180	ARM Cortex-M4	512	256	0	LQFP176	140	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
STM32F429IGH6	180	ARM Cortex-M4	1024	256	0	UFBGA176	140	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
STM32F429IGT6	180	ARM Cortex-M4	1024	256	0	LQFP176	140	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
STM32F429IIH6	180	ARM Cortex-M4	2048	256	0	UFBGA176	140	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
STM32F429IIT6	180	ARM Cortex-M4	2048	256	0	LQFP176	140	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
STM32F429BET6	180	ARM Cortex-M4	512	256	0	LQFP208	168	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

Selection Guide 2017 0401.indd 29 2017/4/1 11:56:54

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
STM32F429BGT6	180	ARM Cortex-M4	1024	256	0	LQFP208	168	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
STM32F429BIT6	180	ARM Cortex-M4	2048	256	0	LQFP208	168	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
STM32F429NEH6	180	ARM Cortex-M4	512	256	0	TFBGA216	168	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
STM32F429NGH6	180	ARM Cortex-M4	1024	256	0	TFBGA216	168	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
STM32F429NIH6	180	ARM Cortex-M4	2048	256	0	TFBGA216	168	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
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	4	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
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	4	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
STM32F439AIH6	180	ARM Cortex-M4	2048	256	0	UFBGA169	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
STM32F439ZGT6	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	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	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
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
STM32F439IGT6	180	ARM Cortex-M4	1024	256	0	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	1	1	1	1	1
STM32F439IGH6	180	ARM Cortex-M4	1024	256	0	UFBGA176	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	1	1	1	1	1
STM32F439IIT6	180	ARM Cortex-M4	2048	256	0	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	1	1	1	1	1
STM32F439IIH6	180	ARM Cortex-M4	2048	256	0	UFBGA176	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	1	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	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	1	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	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	1	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	0	1	0	1	1	1	0	0	1	0	1	0	0	1	0	1	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	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	1	0	0	0	0

Selection Guide 2017 0401.indd 30 2017/4/1 11:56:55

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
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	1	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	1	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
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	1	0	0	0	0
STM32F469AIY6	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	1	0	0	0	0
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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	0	0	0	0
STM32F479AGH6	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	1	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	1	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	1	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	1	1	1	1	1

Selection Guide 2017 0401.indd 31 2017/4/1 11:56:55

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
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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	1	1	1	1

Selection Guide 2017 0401.indd 32 2017/4/1 11:56:56

STM32 F7系列 – ARM® Cortex®-M7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
STM32F7x2基础型 - 216 MHz																																																		
STM32F722RET6	216	ARM Cortex-M7	512	256+16	0	LQFP64	50	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	1	3	3	[3]	4+2	0	1	1	0	0	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F722VET6	216	ARM Cortex-M7	512	256+16	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F722ZET6	216	ARM Cortex-M7	512	256+16	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	2	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F722IET6	216	ARM Cortex-M7	512	256+16	0	LQFP176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	2	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F722IEK6	216	ARM Cortex-M7	512	256+16	0	UFBGA176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	2	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F732RET6	216	ARM Cortex-M7	512	256+16	0	LQFP64	50	1.7	3.6	12	2	2	0	0	3	16	0	0	2	0	0	3	1	3	3	[3]	4+2	0	1	1	0	0	0	1	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0
STM32F732VET6	216	ARM Cortex-M7	512	256+16	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0
STM32F732ZET6	216	ARM Cortex-M7	512	256+16	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	2	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0
STM32F732IET6	216	ARM Cortex-M7	512	256+16	0	LQFP176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	2	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0
STM32F732IEK6	216	ARM Cortex-M7	512	256+16	0	UFBGA176	140	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	2	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0
STM32F7x3基础型 - 216 MHz																																																		
STM32F723VEY6	216	ARM Cortex-M7	512	256+16	0	WLCSP100	79	1.7	3.6	11	2	2	1	0	3	16	0	0	2	0	0	4	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F723ZCT6	216	ARM Cortex-M7	256	256+16	0	LQFP144	112	1.7	3.6	11	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F723ZCI6	216	ARM Cortex-M7	256	256+16	0	UFBGA144	112	1.7	3.6	11	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F723ZET6	216	ARM Cortex-M7	512	256+16	0	LQFP144	112	1.7	3.6	11	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F723ZEI6	216	ARM Cortex-M7	512	256+16	0	UFBGA144	112	1.7	3.6	11	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F723ICT6	216	ARM Cortex-M7	256	256+16	0	LQFP176	138	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F723ICK6	216	ARM Cortex-M7	256	256+16	0	UFBGA176	138	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F723IET6	216	ARM Cortex-M7	512	256+16	0	LQFP176	138	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
STM32F723IEK6	216	ARM Cortex-M7	512	256+16	0	UFBGA176	138	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0

Selection Guide 2017 0401.indd 33 2017/4/1 11:56:56

STM32 F7系列 – ARM® Cortex®-M7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
STM32F733VEY6	216	ARM Cortex-M7	512	256+16	0	WLCSP100	79	1.7	3.6	11	2	2	1	0	3	16	0	0	2	0	0	4	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0
STM32F733ZET6	216	ARM Cortex-M7	512	256+16	0	LQFP144	112	1.7	3.6	11	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0
STM32F733ZEI6	216	ARM Cortex-M7	512	256+16	0	UFBGA144	112	1.7	3.6	11	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0
STM32F733IET6	216	ARM Cortex-M7	512	256+16	0	LQFP176	138	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0
STM32F733IEK6	216	ARM Cortex-M7	512	256+16	0	UFBGA176	138	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	5	1	3	3	[3]	4+4	0	1	1	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0
STM32F7x5高级型 - 216 MHz																																																		
STM32F745VET6	216	ARM Cortex-M7	512	320+16	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	4	0	1	0	1	0	0	0	0
STM32F745VGT6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	0	0	0	0
STM32F745VEH6	216	ARM Cortex-M7	512	320+16	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
STM32F745VGH6	216	ARM Cortex-M7	1024	320+16	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
STM32F745ZET6	216	ARM Cortex-M7	512	320+16	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	4	0	1	0	1	0	0	0	0
STM32F745ZGT6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	0	0	0	0
STM32F745ZEY6	216	ARM Cortex-M7	512	320+16	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
STM32F745ZGY6	216	ARM Cortex-M7	1024	320+16	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
STM32F745IET6	216	ARM Cortex-M7	512	320+16	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	4	0	1	0	1	0	0	0	0
STM32F745IGT6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	0	0	0	0
STM32F745IEK6	216	ARM Cortex-M7	512	320+16	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	4	0	1	0	1	0	0	0	0
STM32F745IGK6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	0	0	0	0
STM32F765VGT6	216	ARM Cortex-M7	1024	512+16	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+16	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+16	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

Selection Guide 2017 0401.indd 34 2017/4/1 11:56:57

STM32 F7系列 – ARM® Cortex®-M7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
STM32F765ZIT6	216	ARM Cortex-M7	2048	512+16	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+16	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+16	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+16	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+16	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
STM32F765BGT6	216	ARM Cortex-M7	1024	512+16	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+16	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+16	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+16	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高级型 - 216 MHz																																																		
STM32F746VET6	216	ARM Cortex-M7	512	320+16	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	4	0	1	0	1	0	0	0	0
STM32F746VGT6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	0	0	0	0
STM32F746VEH6	216	ARM Cortex-M7	512	320+16	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
STM32F746VGH6	216	ARM Cortex-M7	1024	320+16	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
STM32F746ZET6	216	ARM Cortex-M7	512	320+16	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	4	0	1	0	1	0	0	0	0
STM32F746ZGT6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	0	0	0	0
STM32F746ZEY6	216	ARM Cortex-M7	512	320+16	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	4	0	1	0	1	0	0	0	0
STM32F746ZGY6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	0	0	0	0
STM32F746IET6	216	ARM Cortex-M7	512	320+16	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	4	0	1	0	1	0	0	0	0
STM32F746IGT6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	0	0	0	0
STM32F746IEK6	216	ARM Cortex-M7	512	320+16	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	4	0	1	0	1	0	0	0	0

Selection Guide 2017 0401.indd 35 2017/4/1 11:56:58

STM32 F7系列 – ARM® Cortex®-M7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
STM32F746IGK6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	0	0	0	0
STM32F746BET6	216	ARM Cortex-M7	512	320+16	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	4	0	1	0	1	0	0	0	0
STM32F746BGT6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	0	0	0	0
STM32F746NEH6	216	ARM Cortex-M7	512	320+16	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	4	0	1	0	1	0	0	0	0
STM32F746NGH6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	0	0	0	0
STM32F756VGT6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	1	1	1	1
STM32F756ZGT6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	1	1	1	1
STM32F756ZGY6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	1	1	1	1
STM32F756IGT6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	1	1	1	1
STM32F756IGK6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	1	1	1	1
STM32F756BGT6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	1	1	1	1
STM32F756NGH6	216	ARM Cortex-M7	1024	320+16	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	4	0	1	0	1	1	1	1	1
STM32F7x7高级型 - 216 MHz																																																		
STM32F767VGT6	216	ARM Cortex-M7	1024	512+16	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	[4]	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+16	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	[4]	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+16	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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+16	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F767IGT6	216	ARM Cortex-M7	1024	512+16	0	LQFP176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F767IIT6	216	ARM Cortex-M7	2048	512+16	0	LQFP176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F767IGK6	216	ARM Cortex-M7	1024	512+16	0	UFBGA176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F767IIK6	216	ARM Cortex-M7	2048	512+16	0	UFBGA176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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

Selection Guide 2017 0401.indd 36 2017/4/1 11:56:58

STM32 F7系列 – ARM® Cortex®-M7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
STM32F767BGT6	216	ARM Cortex-M7	1024	512+16	0	LQFP208	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F767BIT6	216	ARM Cortex-M7	2048	512+16	0	LQFP208	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F767NGH6	216	ARM Cortex-M7	1024	512+16	0	TFBGA216	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F767NIH6	216	ARM Cortex-M7	2048	512+16	0	TFBGA216	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F777VIT6	216	ARM Cortex-M7	2048	512+16	0	LQFP100	82	1.7	3.6	12	2	2	1	0	3	16	0	0	2	0	0	4	1	3	4	[4]	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+16	0	LQFP144	114	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F777IIT6	216	ARM Cortex-M7	2048	512+16	0	LQFP176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F777IIK6	216	ARM Cortex-M7	2048	512+16	0	UFBGA176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F777BIT6	216	ARM Cortex-M7	2048	512+16	0	LQFP208	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F777NIH6	216	ARM Cortex-M7	2048	512+16	0	TFBGA216	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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高级型 - 216 MHz																																																			
STM32F778AIY6	216	ARM Cortex-M7	2048	512+16	0	WLCSP180	129	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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
STM32F7x9高级型 - 216 MHz																																																			
STM32F769AGY6	216	ARM Cortex-M7	1024	512+16	0	WLCSP180	129	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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+16	0	WLCSP180	129	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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+16	0	LQFP208	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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+16	0	LQFP208	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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+16	0	LQFP176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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+16	0	LQFP176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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+16	0	TFBGA216	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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+16	0	TFBGA216	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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

Selection Guide 2017 0401.indd 37 2017/4/1 11:56:59

STM32 F7系列 – ARM® Cortex®-M7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	显示LCD	TFT LCD	DSI HOST	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	TRNG	AES	DES/TDES	SHA	HMAC
STM32F779AIY6	216	ARM Cortex-M7	2048	512+16	0	WLCSP180	129	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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+16	0	LQFP208	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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+16	0	LQFP176	132	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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+16	0	TFBGA216	159	1.7	3.6	12	2	2	1	0	3	24	0	0	2	0	0	6	1	3	4	[4]	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

Selection Guide 2017 0401.indd 38 2017/4/1 11:56:59

STM32 H7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
STM32H7x3产品线 - 216 MHz																																																		
STM32H743VIT6	400	ARM Cortex-M7	2048	992+64	0	LQFP100	168	1.71	3.6	12	2	2	5	1	[3]	[20]	3	20	2	2	2	6	1	3	4	[4]	4+4	1	2	2	0	1	0	1	1	1	1	0	1	0	4	4	1	1	1	1	0	0	0	0
STM32H743ZIT6	400	ARM Cortex-M7	2048	992+64	0	LQFP144	168	1.62	3.6	12	2	2	5	1	[3]	[20]	3	20	2	2	2	6	1	3	4	[4]	4+4	1	2	2	0	1	0	1	1	1	1	0	1	0	4	4	1	1	1	1	0	0	0	0
STM32H743IIT6	400	ARM Cortex-M7	2048	992+64	0	LQFP176	168	1.62	3.6	12	2	2	5	1	[3]	[20]	3	20	2	2	2	6	1	3	4	[4]	4+4	1	2	2	0	1	0	1	1	1	1	0	1	0	4	4	1	1	1	1	0	0	0	0
STM32H743IIK6	400	ARM Cortex-M7	2048	992+64	0	UFBGA201	168	1.62	3.6	12	2	2	5	1	[3]	[20]	3	20	2	2	2	6	1	3	4	[4]	4+4	1	2	2	0	1	0	1	1	1	1	0	1	0	4	4	1	1	1	1	0	0	0	0
STM32H743BIT6	400	ARM Cortex-M7	2048	992+64	0	LQFP208	168	1.62	3.6	12	2	2	5	1	[3]	[20]	3	20	2	2	2	6	1	3	4	[4]	4+4	1	2	2	0	1	0	1	1	1	1	0	1	0	4	4	1	1	1	1	0	0	0	0
STM32H743XIH6	400	ARM Cortex-M7	2048	992+64	0	TFBGA265	168	1.62	3.6	12	2	2	5	1	[3]	[20]	3	20	2	2	2	6	1	3	4	[4]	4+4	1	2	2	0	1	0	1	1	1	1	0	1	0	4	4	1	1	1	1	0	0	0	0

Selection Guide 2017 0401.indd 39 2017/4/1 11:56:59

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	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	0	0	0	0
STM32L011D4P6	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	0	0	0	0
STM32L011F3P6	32	ARM Cortex-M0+	8	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	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
STM32L011F4P6	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	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
STM32L011E3Y6	32	ARM Cortex-M0+	8	2	512	WLCSP25	21	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
STM32L011E4Y6	32	ARM Cortex-M0+	16	2	512	WLCSP25	21	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
STM32L011G3U6	32	ARM Cortex-M0+	8	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	0	0	0	0
STM32L011G4U6	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	0	0	0	0
STM32L011K3T6	32	ARM Cortex-M0+	8	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	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
STM32L011K4T6	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	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
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	1	0	0	0	0
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	1	0	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	1	0	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	1	0	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	1	0	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	1	0	0	0	0

Selection Guide 2017 0401.indd 40 2017/4/1 11:57:00

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
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	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	0
STM32L031E4Y6	32	ARM Cortex-M0+	16	8	1024	WLCSP25	20	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	0
STM32L031E6Y6	32	ARM Cortex-M0+	32	8	1024	WLCSP25	20	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	0
STM32L031G4U6	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	0	0	0	0	0	0
STM32L031G6U6	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	0	0	0	0	0	0
STM32L031K4T6	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	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	0
STM32L031K6T6	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	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	0
STM32L031C6T6	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	0	0	0	0	0	0
STM32L041E6Y6	32	ARM Cortex-M0+	32	8	1024	WLCSP25	20	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	1	0	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	0	1	0	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	0	1	0	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	0	1	0	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	0	1	0	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	0	1	0	0	0	0
STM32L051K6T6	32	ARM Cortex-M0+	32	8	2048	LQFP32	25	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	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
STM32L051K6U6	32	ARM Cortex-M0+	32	8	2048	UFQFPN32	27	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	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
STM32L051K8T6	32	ARM Cortex-M0+	64	8	2048	LQFP32	25	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	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
STM32L051K8U6	32	ARM Cortex-M0+	64	8	2048	UFQFPN32	27	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	1	0	0	1	[1]	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

Selection Guide 2017 0401.indd 41 2017/4/1 11:57:00

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
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	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	0
STM32L051C6T6	32	ARM Cortex-M0+	32	8	2048	LQFP48	37	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	2	0	1	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	0
STM32L051C8T6	32	ARM Cortex-M0+	64	8	2048	LQFP48	37	1.65	3.6	4	0	0	1	0	1	10	0	0	0	2	0	2	0	1	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	0
STM32L051R6T6	32	ARM Cortex-M0+	32	8	2048	LQFP64	51	1.65	3.6	4	0	0	1	0	1	16	0	0	0	2	0	2	0	1	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	0
STM32L051R6H6	32	ARM Cortex-M0+	32	8	2048	TFBGA64	51	1.65	3.6	4	0	0	1	0	1	16	0	0	0	2	0	2	0	1	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	0
STM32L051R8T6	32	ARM Cortex-M0+	64	8	2048	LQFP64	51	1.65	3.6	4	0	0	1	0	1	16	0	0	0	2	0	2	0	1	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	0
STM32L051R8H6	32	ARM Cortex-M0+	64	8	2048	TFBGA64	51	1.65	3.6	4	0	0	1	0	1	16	0	0	0	2	0	2	0	1	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	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	0
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	0
STM32L071KBU6	32	ARM Cortex-M0+	128	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	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	0
STM32L071KZU6	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	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	0
STM32L071CBT6	32	ARM Cortex-M0+	128	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	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	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	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	0
STM32L071RBT6	32	ARM Cortex-M0+	128	20	6144	LQFP64	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	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]	4	1	0	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	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	0

Selection Guide 2017 0401.indd 42 2017/4/1 11:57:01

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
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	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	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	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	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	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	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	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	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	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	0
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	0
STM32L0x2 USB型 - 32 MHz																																																			
STM32L052K6T6	32	ARM Cortex-M0+	32	8	2048	LQFP32	25	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	1	0	0	1	[1]	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
STM32L052K6U6	32	ARM Cortex-M0+	32	8	2048	UFQFPN32	27	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	1	0	0	1	[1]	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
STM32L052K8T6	32	ARM Cortex-M0+	64	8	2048	LQFP32	25	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	1	0	0	1	[1]	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
STM32L052K8U6	32	ARM Cortex-M0+	64	8	2048	UFQFPN32	27	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	1	0	0	1	[1]	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	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	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	0
STM32L052C6T6	32	ARM Cortex-M0+	32	8	2048	LQFP48	37	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	2	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	0
STM32L052C8T6	32	ARM Cortex-M0+	64	8	2048	LQFP48	37	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	2	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	0
STM32L052R6T6	32	ARM Cortex-M0+	32	8	2048	LQFP64	51	1.65	3.6	4	0	0	1	0	1	16	0	0	1	2	0	2	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	0

Selection Guide 2017 0401.indd 43 2017/4/1 11:57:02

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
STM32L052R6H6	32	ARM Cortex-M0+	32	8	2048	TFBGA64	50	1.65	3.6	4	0	0	1	0	1	15	0	0	1	2	0	2	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
STM32L052R8T6	32	ARM Cortex-M0+	64	8	2048	LQFP64	51	1.65	3.6	4	0	0	1	0	1	16	0	0	1	2	0	2	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
STM32L052R8H6	32	ARM Cortex-M0+	64	8	2048	TFBGA64	50	1.65	3.6	4	0	0	1	0	1	15	0	0	1	2	0	2	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
STM32L062K8T6	32	ARM Cortex-M0+	64	8	2048	LQFP32	25	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	1	0	0	1	[1]	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
STM32L062K8U6	32	ARM Cortex-M0+	64	8	2048	UFQFPN32	27	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	1	0	0	1	[1]	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	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	0	1	1	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	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	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	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	0	1	0	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	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	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	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	0	1	0	0	0	0
STM32L072RBT6	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	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	0	1	0	0	0	0
STM32L072RZT6	32	ARM Cortex-M0+	192	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	0	0	0	0	0	0	0	0	1	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	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	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
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

Selection Guide 2017 0401.indd 44 2017/4/1 11:57:03

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
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
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
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
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
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
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
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
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
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
STM32L0x3 USB & LCD功能型 - 32 MHz																																																		
STM32L053C6T6	32	ARM Cortex-M0+	32	8	2048	LQFP48	37	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	2	0	1	2	[2]	2	1	0	0	0	0	1	0	0	0	0	4x18	0	0	0	0	0	0	0	1	0	0	0	0
STM32L053C8T6	32	ARM Cortex-M0+	64	8	2048	LQFP48	37	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	2	0	1	2	[2]	2	1	0	0	0	0	1	0	0	0	0	4x18	0	0	0	0	0	0	0	1	0	0	0	0
STM32L053R6T6	32	ARM Cortex-M0+	32	8	2048	LQFP64	51	1.65	3.6	4	0	0	1	0	1	16	0	0	1	2	0	2	0	1	2	[2]	2	1	0	0	0	0	1	0	0	0	0	8x28/ 4x32	0	0	0	0	0	0	0	1	0	0	0	0
STM32L053R6H6	32	ARM Cortex-M0+	32	8	2048	TFBGA64	50	1.65	3.6	4	0	0	1	0	1	15	0	0	1	2	0	2	0	1	2	[2]	2	1	0	0	0	0	1	0	0	0	0	8x28/ 4x32	0	0	0	0	0	0	0	1	0	0	0	0
STM32L053R8T6	32	ARM Cortex-M0+	64	8	2048	LQFP64	51	1.65	3.6	4	0	0	1	0	1	16	0	0	1	2	0	2	0	1	2	[2]	2	1	0	0	0	0	1	0	0	0	0	8x28/ 4x32	0	0	0	0	0	0	0	1	0	0	0	0
STM32L053R8H6	32	ARM Cortex-M0+	64	8	2048	TFBGA64	50	1.65	3.6	4	0	0	1	0	1	15	0	0	1	2	0	2	0	1	2	[2]	2	1	0	0	0	0	1	0	0	0	0	8x28/ 4x32	0	0	0	0	0	0	0	1	0	0	0	0
STM32L063C8T6	32	ARM Cortex-M0+	64	8	2048	LQFP48	37	1.65	3.6	4	0	0	1	0	1	10	0	0	1	2	0	2	0	1	2	[2]	2	1	0	0	0	0	1	0	0	0	0	4x18	0	0	0	0	0	0	0	1	1	0	0	0
STM32L063R8T6	32	ARM Cortex-M0+	64	8	2048	LQFP64	51	1.65	3.6	4	0	0	1	0	1	16	0	0	1	2	0	2	0	1	2	[2]	2	1	0	0	0	0	1	0	0	0	0	8x28/ 4x32	0	0	0	0	0	0	0	1	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	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
STM32L073RBT6	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	8x28/ 4x32	0	0	0	0	0	0	0	1	0	0	0	0

Selection Guide 2017 0401.indd 45 2017/4/1 11:57:03

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
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
STM32L073RZT6	32	ARM Cortex-M0+	192	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	8x28/4x32	0	0	0	0	0	0	0	1	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
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
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
STM32L073VBT6	32	ARM Cortex-M0+	128	20	6144	LQFP100	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
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
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
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
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	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
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	8x28/4x32	0	0	0	0	0	0	0	1	1	0	0	0
STM32L083RZT6	32	ARM Cortex-M0+	192	20	6144	LQFP64	51	1.65	3.6	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	8x28/4x32	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	8x28/4x32	0	0	0	0	0	0	0	1	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	8x48/4x52	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	8x48/4x52	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	8x48/4x52	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	8x48/4x52	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	8x48/4x52	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	8x48/4x52	0	0	0	0	0	0	0	1	1	0	0	0

Selection Guide 2017 0401.indd 46 2017/4/1 11:57:04

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																																																		
STM32L100C6U6-A	32	ARM Cortex-M3	32	4	2048	UFQFPN48	37	1.8	3.6	8	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
STM32L100R8T6-A	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
STM32L100RBT6-A	32	ARM Cortex-M3	128	16	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
STM32L100RCT6	32	ARM Cortex-M3	256	16	4096	LQFP64	51	1.8	3.6	8	0	0	0	0	1	20	0	0	2	2	0	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入门型 - 32MHz																																																		
STM32L151C6T6-A	32	ARM Cortex-M3	32	16	4096	LQFP48	37	1.65	3.6	8	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
STM32L151C6U6-A	32	ARM Cortex-M3	32	16	4096	UFQFPN48	37	1.65	3.6	8	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
STM32L151C8T6-A	32	ARM Cortex-M3	64	32	4096	LQFP48	37	1.65	3.6	8	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
STM32L151C8U6-A	32	ARM Cortex-M3	64	32	4096	UFQFPN48	37	1.65	3.6	8	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
STM32L151CBT6-A	32	ARM Cortex-M3	128	32	4096	LQFP48	37	1.65	3.6	8	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
STM32L151CBU6-A	32	ARM Cortex-M3	128	32	4096	UFQFPN48	37	1.65	3.6	8	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
STM32L151R6T6-A	32	ARM Cortex-M3	32	16	4096	LQFP64	51	1.65	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	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151R6H6-A	32	ARM Cortex-M3	32	16	4096	TFBGA64	50	1.65	3.6	8	0	0	0	0	1	19	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
STM32L151R8T6-A	32	ARM Cortex-M3	64	32	4096	LQFP64	51	1.65	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	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151R8H6-A	32	ARM Cortex-M3	64	32	4096	TFBGA64	50	1.65	3.6	8	0	0	0	0	1	19	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
STM32L151RBT6-A	32	ARM Cortex-M3	128	32	4096	LQFP64	51	1.65	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	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L151RBH6-A	32	ARM Cortex-M3	128	32	4096	TFBGA64	50	1.65	3.6	8	0	0	0	0	1	19	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
STM32L151V8T6-A	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
STM32L151V8H6-A	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
STM32L151VBT6-A	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

Selection Guide 2017 0401.indd 47 2017/4/1 11:57:04

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
STM32L151VBH6-A	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
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	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	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
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
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
STM32L151VCH6	32	ARM Cortex-M3	256	32	8192	UFBGA100	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
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	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
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
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
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	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
STM32L151VDT6-x	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
STM32L151VDY6-x	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
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
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
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	0

Selection Guide 2017 0401.indd 48 2017/4/1 11:57:05

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
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
STM32L152USB&LCD功能型 - 32MHz																																																			
STM32L152C6T6-A	32	ARM Cortex-M3	32	16	4096	LQFP48	37	1.65	3.6	8	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	0
STM32L152C6U6-A	32	ARM Cortex-M3	32	16	4096	UFQFPN48	37	1.65	3.6	8	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	0
STM32L152C8T6-A	32	ARM Cortex-M3	64	32	4096	LQFP48	37	1.65	3.6	8	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	0
STM32L152C8U6-A	32	ARM Cortex-M3	64	32	4096	UFQFPN48	37	1.65	3.6	8	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	0
STM32L152CBT6-A	32	ARM Cortex-M3	128	32	4096	LQFP48	37	1.65	3.6	8	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	0
STM32L152CBU6-A	32	ARM Cortex-M3	128	32	4096	UFQFPN48	37	1.65	3.6	8	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	0
STM32L152R6T6-A	32	ARM Cortex-M3	32	16	4096	LQFP64	51	1.65	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	0
STM32L152R6H6-A	32	ARM Cortex-M3	32	16	4096	TFBGA64	50	1.65	3.6	8	0	0	0	0	1	19	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x31/ 8x27	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152R8T6-A	32	ARM Cortex-M3	64	32	4096	LQFP64	51	1.65	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	0
STM32L152R8H6-A	32	ARM Cortex-M3	64	32	4096	TFBGA64	50	1.65	3.6	8	0	0	0	0	1	19	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x31/ 8x27	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152RBT6-A	32	ARM Cortex-M3	128	32	4096	LQFP64	51	1.65	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	0
STM32L152RBH6-A	32	ARM Cortex-M3	128	32	4096	TFBGA64	50	1.65	3.6	8	0	0	0	0	1	19	0	0	2	2	0	2	0	0	2	0	3	0	0	0	0	0	1	0	0	0	0	4x31/ 8x27	0	0	0	0	0	0	0	0	0	0	0	0	0
STM32L152V8T6-A	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	0
STM32L152V8H6-A	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	0
STM32L152VBT6-A	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	0
STM32L152VBH6-A	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	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	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	0
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	0

Selection Guide 2017 0401.indd 49 2017/4/1 11:57:06

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
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
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
STM32L152VCH6	32	ARM Cortex-M3	256	32	8192	UFBGA100	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
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
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
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
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
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
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
STM32L152VDT6-x	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
STM32L152VDY6-x	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
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
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
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
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 USB&LCD&AES功能型 - 32 MHz																																																			
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
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
STM32L162VCH6	32	ARM Cortex-M3	256	32	8192	UFBGA100	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

Selection Guide 2017 0401.indd 50 2017/4/1 11:57:06

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
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
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
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
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
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
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
STM32L162VDY6-X	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
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
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
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

Selection Guide 2017 0401.indd 51 2017/4/1 11:57:07

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																																																		
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
STM32L471RET6	80	ARM Cortex-M4	512	128	0	LQFP64	51	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	0	0	0	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0
STM32L471RGT6	80	ARM Cortex-M4	1024	128	0	LQFP64	51	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	0	0	0	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0
STM32L471VET6	80	ARM Cortex-M4	512	128	0	LQFP100	82	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	1	0	0	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0
STM32L471VGT6	80	ARM Cortex-M4	1024	128	0	LQFP100	82	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	1	0	0	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0

Selection Guide 2017 0401.indd 52 2017/4/1 11:57:07

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
STM32L471QEI6	80	ARM Cortex-M4	512	128	0	UFBGA132	109	1.71	3.6	9	2	2	2	0	3	19	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	1	0	0	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0
STM32L471QGI6	80	ARM Cortex-M4	1024	128	0	UFBGA132	109	1.71	3.6	9	2	2	2	0	3	19	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	1	0	0	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0
STM32L471ZET6	80	ARM Cortex-M4	512	128	0	LQFP144	114	1.71	3.6	9	2	2	2	0	3	24	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	1	0	0	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0
STM32L471ZGT6	80	ARM Cortex-M4	1024	128	0	LQFP144	114	1.71	3.6	9	2	2	2	0	3	24	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	1	0	0	0	0	0	0	0	0	2	0	1	0	1	1	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	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	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	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	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	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	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
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
STM32L433RCT6	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	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
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

Selection Guide 2017 0401.indd 53 2017/4/1 11:57:08

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
STM32L433VCT6	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	1	0	0	0	0	4x44/ 8x40	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	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
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
STM32L443RCT6	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	1	0	0	0	0	4x32/ 8x28	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
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
STM32L443VCT6	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	1	0	0	0	0	4x44/ 8x40	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
STM32L4x5 USB OTG产品线 - 80 MHz																																																		
STM32L475RCT6	80	ARM Cortex-M4	256	128	0	LQFP64	51	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	0	0	0	1	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0
STM32L475RET6	80	ARM Cortex-M4	512	128	0	LQFP64	51	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	0	0	0	1	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0
STM32L475RGT6	80	ARM Cortex-M4	1024	128	0	LQFP64	51	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	0	0	0	1	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0
STM32L475VCT6	80	ARM Cortex-M4	256	128	0	LQFP100	82	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	1	0	0	1	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0
STM32L475VET6	80	ARM Cortex-M4	512	128	0	LQFP100	82	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	1	0	0	1	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0
STM32L475VGT6	80	ARM Cortex-M4	1024	128	0	LQFP100	82	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	0	3+2	1	1	1	1	0	0	1	0	0	0	0	0	0	2	0	1	0	1	1	0	0	0	0
STM32L4x6 USB OTG & LCD产品线 - 80 MHz																																																		
STM32L476RCT6	80	ARM Cortex-M4	256	128	0	LQFP64	51	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	0	0	0	1	0	0	0	8x28/ 4x32	0	0	2	0	1	0	1	1	0	0	0	0
STM32L476RET6	80	ARM Cortex-M4	512	128	0	LQFP64	51	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	0	0	0	1	0	0	0	8x28/ 4x32	0	0	2	0	1	0	1	1	0	0	0	0
STM32L476RGT6	80	ARM Cortex-M4	1024	128	0	LQFP64	51	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	0	0	0	1	0	0	0	8x28/ 4x32	0	0	2	0	1	0	1	1	0	0	0	0

Selection Guide 2017 0401.indd 54 2017/4/1 11:57:09

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
STM32L476JEY6	80	ARM Cortex-M4	512	128	0	WLCSP72	57	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	0	0	0	1	0	0	0	8x28/4x32	0	0	2	0	1	0	1	1	0	0	0	0
STM32L476JGY6	80	ARM Cortex-M4	1024	128	0	WLCSP72	57	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	0	0	0	1	0	0	0	8x28/4x32	0	0	2	0	1	0	1	1	0	0	0	0
STM32L476MEY6	80	ARM Cortex-M4	512	128	0	WLCSP81	65	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	0	0	0	1	0	0	0	8x30/4x32	0	0	2	0	1	0	1	1	0	0	0	0
STM32L476MGY6	80	ARM Cortex-M4	1024	128	0	WLCSP81	65	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	0	0	0	1	0	0	0	8x30/4x32	0	0	2	0	1	0	1	1	0	0	0	0
STM32L476VCT6	80	ARM Cortex-M4	256	128	0	LQFP100	82	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	0	1	1	0	0	0	0
STM32L476VET6	80	ARM Cortex-M4	512	128	0	LQFP100	82	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	0	1	1	0	0	0	0
STM32L476VGT6	80	ARM Cortex-M4	1024	128	0	LQFP100	82	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	0	1	1	0	0	0	0
STM32L476QEI6	80	ARM Cortex-M4	512	128	0	UFBGA132	109	1.71	3.6	9	2	2	2	0	3	19	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	0	1	1	0	0	0	0
STM32L476QGI6	80	ARM Cortex-M4	1024	128	0	UFBGA132	109	1.71	3.6	9	2	2	2	0	3	19	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	0	1	1	0	0	0	0
STM32L476ZET6	80	ARM Cortex-M4	512	128	0	LQFP144	114	1.71	3.6	9	2	2	2	0	3	24	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	0	1	1	0	0	0	0
STM32L476ZGT6	80	ARM Cortex-M4	1024	128	0	LQFP144	114	1.71	3.6	9	2	2	2	0	3	24	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	0	1	1	0	0	0	0
STM32L486RGT6	80	ARM Cortex-M4	1024	128	0	LQFP64	51	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	0	0	0	1	0	0	0	8x28/4x32	0	0	2	0	1	0	1	1	1	0	0	0
STM32L486JGY6	80	ARM Cortex-M4	1024	128	0	WLCSP72	57	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	0	0	0	1	0	0	0	8x28/4x32	0	0	2	0	1	0	1	1	1	0	0	0
STM32L486VGT6	80	ARM Cortex-M4	1024	128	0	LQFP100	82	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	0	1	1	1	0	0	0
STM32L486QGI6	80	ARM Cortex-M4	1024	128	0	UFBGA132	109	1.71	3.6	9	2	2	2	0	3	19	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	0	1	1	1	0	0	0
STM32L486ZGT6	80	ARM Cortex-M4	1024	128	0	LQFP144	114	1.71	3.6	9	2	2	2	0	3	24	0	0	2	2	2	3	1	0	3	[3]	3+2	1	1	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	0	1	1	1	0	0	0
STM32L496RET6	80	ARM Cortex-M4	512	320	0	LQFP64	52	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	0	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	0	0	0	0
STM32L496RGT6	80	ARM Cortex-M4	1024	320	0	LQFP64	52	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	0	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	0	0	0	0
STM32L496VET6	80	ARM Cortex-M4	512	320	0	LQFP100	83	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	0	0	0	0
STM32L496VGT6	80	ARM Cortex-M4	1024	320	0	LQFP100	83	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	0	0	0	0
STM32L496VGY6	80	ARM Cortex-M4	1024	320	0	WLCSP100	83	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	0	0	0	0

Selection Guide 2017 0401.indd 55 2017/4/1 11:57:09

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
STM32L496QEI6	80	ARM Cortex-M4	512	320	0	UFBGA132	110	1.71	3.6	9	2	2	2	0	3	19	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	0	0	0	0
STM32L496QGI6	80	ARM Cortex-M4	1024	320	0	UFBGA132	110	1.71	3.6	9	2	2	2	0	3	19	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	0	0	0	0
STM32L496ZET6	80	ARM Cortex-M4	512	320	0	LQFP144	115	1.71	3.6	9	2	2	2	0	3	24	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	0	0	0	0
STM32L496ZGT6	80	ARM Cortex-M4	1024	320	0	LQFP144	115	1.71	3.6	9	2	2	2	0	3	24	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	0	0	0	0
STM32L496AEI6	80	ARM Cortex-M4	512	320	0	UFBGA169	136	1.71	3.6	9	2	2	2	0	3	24	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	0	0	0	0
STM32L496AGI6	80	ARM Cortex-M4	1024	320	0	UFBGA169	136	1.71	3.6	9	2	2	2	0	3	24	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	0	0	0	0
STM32L4A6RGT6	80	ARM Cortex-M4	1024	320	0	LQFP64	52	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	0	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	1	0	1	1
STM32L4A6VGT6	80	ARM Cortex-M4	1024	320	0	LQFP100	83	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	1	0	1	1
STM32L4A6VGY6	80	ARM Cortex-M4	1024	320	0	WLCSP100	83	1.71	3.6	9	2	2	2	0	3	16	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	1	0	1	1
STM32L4A6QGI6	80	ARM Cortex-M4	1024	320	0	UFBGA132	110	1.71	3.6	9	2	2	2	0	3	19	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	1	0	1	1
STM32L4A6ZGT6	80	ARM Cortex-M4	1024	320	0	LQFP144	115	1.71	3.6	9	2	2	2	0	3	24	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	1	0	1	1
STM32L4A6AGI6	80	ARM Cortex-M4	1024	320	0	UFBGA169	136	1.71	3.6	9	2	2	2	0	3	24	0	0	2	2	2	3	1	0	4	[4]	3+2	1	2	1	1	0	0	1	0	0	0	8x40/4x44	0	0	2	0	1	1	1	1	1	0	1	1

Selection Guide 2017 0401.indd 56 2017/4/1 11:57:10

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

Selection Guide 2017 0327 转曲.indd 57 2017/3/27 17:03:14

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)

Selection Guide 2017 0327 转曲.indd 58 2017/3/27 17:03:15

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 - March 2017 - 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