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STM32系列 产品选型手册



32位微控制器(MCU)

32位微处理器(MPU)



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MPU

STM32MP1

4158 CoreMark
800 MHz Cortex -A7
209 MHz Cortex -M4



高性能
MCUs

STM32F2

Up to 398 CoreMark
120 MHz Cortex-M3

STM32F4

Up to 608 CoreMark
180 MHz Cortex-M4

STM32F7

1082 CoreMark
216 MHz Cortex-M7

STM32H7

Up to 3224 CoreMark
Up to 550 MHz Cortex -M7
240 MHz Cortex -M4



主流
MCUs

STM32F0

106 CoreMark
48 MHz Cortex-M0

STM32G0

142 CoreMark
64 MHz Cortex-M0+

STM32F1

177 CoreMark
72 MHz Cortex-M3

STM32F3

245 CoreMark
72 MHz Cortex-M4

STM32G4

550 CoreMark
170 MHz Cortex-M4



超低功耗
MCUs

STM32L0

75 CoreMark
32 MHz Cortex-M0+

STM32L1

93 CoreMark
32 MHz Cortex-M3

STM32L4

273 CoreMark
80 MHz Cortex-M4

STM32L4+

409 CoreMark
120 MHz Cortex-M4

STM32L5

443 CoreMark
110 MHz Cortex-M33

STM32U5

651 CoreMark
160 MHz Cortex-M33



无线
MCUs

STM32WL

162 CoreMark
48 MHz Cortex-M4
48 MHz Cortex-M0+

STM32WB

216 CoreMark
64 MHz Cortex-M4
32 MHz Cortex-M0+



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● 针对混合信号应用优化

● Cortex-M0+ 射频协处理器



STM32 G4系列 – Arm® Cortex®-M4模数混合型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	F(S)MC	USB FS Device	SAI	UCPD	Math Accelerator	TRNG	AES/DES	T° Max (°C)
STM32G431_441 Access Line																																
STM32G431K6Tx	Cortex-M4	170	32	32	LQFP32	26	1.71-3.6	9	1	2	1	0	2	11	4	4	3	3	2	0	3	2	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431K8Tx	Cortex-M4	170	64	32	LQFP32	26	1.71-3.6	9	1	2	1	0	2	11	4	4	3	3	2	0	3	2	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431KBTx	Cortex-M4	170	128	32	LQFP32	26	1.71-3.6	9	1	2	1	0	2	11	4	4	3	3	2	0	3	2	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431K6Ux	Cortex-M4	170	32	32	UFQFPN32	26	1.71-3.6	9	1	2	1	0	2	11	4	4	3	3	2	0	3	2	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431K8Ux	Cortex-M4	170	64	32	UFQFPN32	26	1.71-3.6	9	1	2	1	0	2	11	4	4	3	3	2	0	3	2	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431KBUX	Cortex-M4	170	128	32	UFQFPN32	26	1.71-3.6	9	1	2	1	0	2	11	4	4	3	3	2	0	3	2	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431C6Tx	Cortex-M4	170	32	32	LQFP48	38	1.71-3.6	9	1	2	1	0	2	17	4	4	3	3	2	0	3	3	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431C8Tx	Cortex-M4	170	64	32	LQFP48	38	1.71-3.6	9	1	2	1	0	2	17	4	4	3	3	2	0	3	3	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431CBTx	Cortex-M4	170	128	32	LQFP48	38	1.71-3.6	9	1	2	1	0	2	17	4	4	3	3	2	0	3	3	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431C6Ux	Cortex-M4	170	32	32	UFQFPN48	42	1.71-3.6	9	1	2	1	0	2	18	4	4	3	3	2	0	3	3	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431C8Ux	Cortex-M4	170	64	32	UFQFPN48	42	1.71-3.6	9	1	2	1	0	2	18	4	4	3	3	2	0	3	3	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431CBUX	Cortex-M4	170	128	32	UFQFPN48	42	1.71-3.6	9	1	2	1	0	2	18	4	4	3	3	2	0	3	3	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431CBYx	Cortex-M4	170	128	32	WLCSP49	41	1.71-3.6	9	1	2	1	0	2	18	4	4	3	3	2	0	3	3	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431R6Tx	Cortex-M4	170	32	32	LQFP64	52	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	N/A	125

STM32 G4系列 – Arm® Cortex®-M4模数混合型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	F(S)MC	USB FS Device	SAI	UCPD	Math Accelerator	TRNG	AES/DES	T° Max (°C)
STM32G431R8Tx	Cortex-M4	170	64	32	LQFP64	52	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431RBTx	Cortex-M4	170	128	32	LQFP64	52	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431R6Ix	Cortex-M4	170	32	32	UFBGA64	52	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431R8Ix	Cortex-M4	170	64	32	UFBGA64	52	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431RBx	Cortex-M4	170	128	32	UFBGA64	52	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431M6Tx	Cortex-M4	170	32	32	LQFP80	66	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431M8Tx	Cortex-M4	170	64	32	LQFP80	66	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431MBTx	Cortex-M4	170	128	32	LQFP80	66	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431V6Tx	Cortex-M4	170	32	32	LQFP100	86	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431V8Tx	Cortex-M4	170	64	32	LQFP100	86	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G431VBTx	Cortex-M4	170	128	32	LQFP100	86	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	N/A	125
STM32G441KBTx	Cortex-M4	170	128	32	LQFP32	26	1.71-3.6	9	1	2	1	0	2	11	4	4	3	3	2	0	3	2	1	1[FD]	0	1	1	1	YES	YES	YES	125
STM32G441KBUx	Cortex-M4	170	128	32	UFQFPN32	26	1.71-3.6	9	1	2	1	0	2	11	4	4	3	3	2	0	3	2	1	1[FD]	0	1	1	1	YES	YES	YES	125
STM32G441CBTx	Cortex-M4	170	128	32	LQFP48	38	1.71-3.6	9	1	2	1	0	2	17	4	4	3	3	2	0	3	3	1	1[FD]	0	1	1	1	YES	YES	YES	125
STM32G441CBUx	Cortex-M4	170	128	32	UFQFPN48	42	1.71-3.6	9	1	2	1	0	2	18	4	4	3	3	2	0	3	3	1	1[FD]	0	1	1	1	YES	YES	YES	125

STM32 G4系列 – Arm® Cortex®-M4模数混合型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	F(S)MC	USB FS Device	SAI	UCPD	Math Accelerator	TRNG	AES/DES	T° Max (°C)
STM32G441CBYx	Cortex-M4	170	128	32	WLCSP49	41	1.71-3.6	9	1	2	1	0	2	18	4	4	3	3	2	0	3	3	1	1[FD]	0	1	1	1	YES	YES	YES	125
STM32G441RBTx	Cortex-M4	170	128	32	LQFP64	52	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	YES	125
STM32G441RBIx	Cortex-M4	170	128	32	UFBGA64	52	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	YES	125
STM32G441MBTx	Cortex-M4	170	128	32	LQFP80	66	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	YES	125
STM32G441VBTx	Cortex-M4	170	128	32	LQFP100	86	1.71-3.6	9	1	2	1	0	2	23	4	4	3	3	2	0	3	4	1	1[FD]	0	1	1	1	YES	YES	YES	125
STM32G491_4A1 Performance Line																																
STM32G491KCUx	Cortex-M4	170	256	112	UFQFPN32	26	1.71-3.6	10	1	3	1	0	3	11	4	4	4	3	2	1[QUAD]	3	2	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491KEUx	Cortex-M4	170	512	112	UFQFPN32	26	1.71-3.6	10	1	3	1	0	3	11	4	4	4	3	2	1[QUAD]	3	2	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491CCTx	Cortex-M4	170	256	112	LQFP48	38	1.71-3.6	10	1	3	1	0	3	18	4	4	4	3	2	1[QUAD]	3	3	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491CETx	Cortex-M4	170	512	112	LQFP48	38	1.71-3.6	10	1	3	1	0	3	18	4	4	4	3	2	1[QUAD]	3	3	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491CCUx	Cortex-M4	170	256	112	UFQFPN48	42	1.71-3.6	10	1	3	1	0	3	19	4	4	4	3	2	1[QUAD]	3	3	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491CEUx	Cortex-M4	170	512	112	UFQFPN48	42	1.71-3.6	10	1	3	1	0	3	19	4	4	4	3	2	1[QUAD]	3	3	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491RCTx	Cortex-M4	170	256	112	LQFP64	52	1.71-3.6	10	1	3	1	0	3	24	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491RETx	Cortex-M4	170	512	112	LQFP64	52	1.71-3.6	10	1	3	1	0	3	24	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491REYx	Cortex-M4	170	512	112	WLCSP64	52	1.71-3.6	10	1	3	1	0	3	24	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	N/A	125

STM32 G4系列 – Arm® Cortex®-M4模数混合型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LP UART	CAN	F(S)MC	USB FS Device	SAI	UCPD	Math Accelerator	TRNG	AES/DES	T° Max (°C)
STM32G491REIxx	Cortex-M4	170	512	112	UFBGA64	52	1.71-3.6	10	1	3	1	0	3	24	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491MCTxx	Cortex-M4	170	256	112	LQFP80	66	1.71-3.6	10	1	3	1	0	3	32	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491METxx	Cortex-M4	170	512	112	LQFP80	66	1.71-3.6	10	1	3	1	0	3	32	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491MCSxx	Cortex-M4	170	256	112	LQFP80	66	1.71-3.6	10	1	3	1	0	3	32	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491MESxx	Cortex-M4	170	512	112	LQFP80	66	1.71-3.6	10	1	3	1	0	3	32	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491VCTxx	Cortex-M4	170	256	112	LQFP100	86	1.71-3.6	10	1	3	1	0	3	36	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G491VETxx	Cortex-M4	170	512	112	LQFP100	86	1.71-3.6	10	1	3	1	0	3	36	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	N/A	125
STM32G4A1KEUxx	Cortex-M4	170	512	112	UFQFPN32	26	1.71-3.6	10	1	3	1	0	3	11	4	4	4	3	2	1[QUAD]	3	2	1	2[FD]	0	1	1	1	YES	YES	YES	125
STM32G4A1CETxx	Cortex-M4	170	512	112	LQFP48	38	1.71-3.6	10	1	3	1	0	3	18	4	4	4	3	2	1[QUAD]	3	3	1	2[FD]	0	1	1	1	YES	YES	YES	125
STM32G4A1CEUxx	Cortex-M4	170	512	112	UFQFPN48	42	1.71-3.6	10	1	3	1	0	3	19	4	4	4	3	2	1[QUAD]	3	3	1	2[FD]	0	1	1	1	YES	YES	YES	125
STM32G4A1RETxx	Cortex-M4	170	512	112	LQFP64	52	1.71-3.6	10	1	3	1	0	3	24	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	YES	125
STM32G4A1REIxx	Cortex-M4	170	512	112	UFBGA64	52	1.71-3.6	10	1	3	1	0	3	24	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	YES	125
STM32G4A1REYxx	Cortex-M4	170	512	112	WLCSP64	52	1.71-3.6	10	1	3	1	0	3	24	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	YES	125
STM32G4A1METxx	Cortex-M4	170	512	112	LQFP80	66	1.71-3.6	10	1	3	1	0	3	32	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	YES	125
STM32G4A1MESxx	Cortex-M4	170	512	112	LQFP80	66	1.71-3.6	10	1	3	1	0	3	32	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	YES	125

STM32 G4系列 – Arm® Cortex®-M4模数混合型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	F(S)MC	USB FS Device	SAI	UCPD	Math Accelerator	TRNG	AES/DES	T° Max (°C)
STM32G4A1VETx	Cortex-M4	170	512	112	LQFP100	86	1.71-3.6	10	1	3	1	0	3	36	4	4	4	3	2	1[QUAD]	3	5	1	2[FD]	0	1	1	1	YES	YES	YES	125
STM32G473_483 Advanced Line																																
STM32G473CBTx	Cortex-M4	170	128	120	LQFP48	38	1.71-3.6	10	2	3	1	0	5	20	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G473CCTx	Cortex-M4	170	256	120	LQFP48	38	1.71-3.6	10	2	3	1	0	5	20	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G473CETx	Cortex-M4	170	512	120	LQFP48	38	1.71-3.6	10	2	3	1	0	5	20	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G473CBUx	Cortex-M4	170	128	120	UFQFPN48	42	1.71-3.6	10	2	3	1	0	5	21	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G473CCUx	Cortex-M4	170	256	120	UFQFPN48	42	1.71-3.6	10	2	3	1	0	5	21	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G473CEUx	Cortex-M4	170	512	120	UFQFPN48	42	1.71-3.6	10	2	3	1	0	5	21	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G473RBTx	Cortex-M4	170	128	120	LQFP64	52	1.71-3.6	10	2	3	1	0	5	26	7	7	6	3	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G473RCTx	Cortex-M4	170	256	120	LQFP64	52	1.71-3.6	10	2	3	1	0	5	26	7	7	6	3	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G473RETx	Cortex-M4	170	512	120	LQFP64	52	1.71-3.6	10	2	3	1	0	5	26	7	7	6	3	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G473MBTx	Cortex-M4	170	128	120	LQFP80	66	1.71-3.6	10	2	3	1	0	5	41	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G473MCTx	Cortex-M4	170	256	120	LQFP80	66	1.71-3.6	10	2	3	1	0	5	41	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G473METx	Cortex-M4	170	512	120	LQFP80	66	1.71-3.6	10	2	3	1	0	5	41	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G473MEYx	Cortex-M4	170	512	120	WLCSP81	67	1.71-3.6	10	2	3	1	0	5	41	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125

STM32 G4系列 – Arm® Cortex®-M4模数混合型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	F(S)MC	USB FS Device	SAI	UCPD	Math Accelerator	TRNG	AES/DES	T° Max (°C)																																	
																																	STM32G473VBTx	Cortex-M4	170	128	120	LQFP100	86	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																	STM32G473VCTx	Cortex-M4	170	256	120	LQFP100	86	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																	STM32G473VETx	Cortex-M4	170	512	120	LQFP100	86	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																	STM32G473VBHx	Cortex-M4	170	128	120	TFBGA100	86	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																	STM32G473VCHx	Cortex-M4	170	256	120	TFBGA100	86	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																	STM32G473VEHx	Cortex-M4	170	512	120	TFBGA100	86	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																	STM32G473PB1x	Cortex-M4	170	128	120	UFBGA121	102	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																	STM32G473PC1x	Cortex-M4	170	256	120	UFBGA121	102	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																	STM32G473PE1x	Cortex-M4	170	512	120	UFBGA121	102	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																	STM32G473QBTx	Cortex-M4	170	128	120	LQFP128	107	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																	STM32G473QCTx	Cortex-M4	170	256	120	LQFP128	107	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																	STM32G473QETx	Cortex-M4	170	512	120	LQFP128	107	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																	STM32G483CETx	Cortex-M4	170	512	120	LQFP48	38	1.71-3.6	10	2	3	1	0	5	20	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	YES	125
																																	STM32G483CEUx	Cortex-M4	170	512	120	UFQFPN48	42	1.71-3.6	10	2	3	1	0	5	21	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	YES	125
																																	STM32G483RETx	Cortex-M4	170	512	120	LQFP64	52	1.71-3.6	10	2	3	1	0	5	26	7	7	6	3	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	YES	125

STM32 G4系列 – Arm® Cortex®-M4模数混合型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	F(S)MC	USB FS Device	SAI	UCPD	Math Accelerator	TRNG	AES/DES	T° Max (°C)
STM32G483METx	Cortex-M4	170	512	120	LQFP80	66	1.71-3.6	10	2	3	1	0	5	41	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	YES	125
STM32G483MEYx	Cortex-M4	170	512	120	WLCSP81	67	1.71-3.6	10	2	3	1	0	5	41	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	YES	125
STM32G483VETx	Cortex-M4	170	512	120	LQFP100	86	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	YES	125
STM32G483VEHx	Cortex-M4	170	512	120	TFBGA100	86	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	YES	125
STM32G483PEIx	Cortex-M4	170	512	120	UFBGA121	102	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	YES	125
STM32G483QETx	Cortex-M4	170	512	120	LQFP128	107	1.71-3.6	10	2	3	1	0	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	YES	125
STM32G473_484 High-resolution Timer																																
STM32G474CBTx	Cortex-M4	170	128	128	LQFP48	38	1.71-3.6	10	2	3	1	1	5	20	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G474CBUx	Cortex-M4	170	128	128	UFQFPN48	42	1.71-3.6	10	2	3	1	1	5	21	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G474CCUx	Cortex-M4	170	256	128	UFQFPN48	42	1.71-3.6	10	2	3	1	1	5	21	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G474CETx	Cortex-M4	170	512	128	LQFP48	38	1.71-3.6	10	2	3	1	1	5	20	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G474CEUx	Cortex-M4	170	512	128	UFQFPN48	42	1.71-3.6	10	2	3	1	1	5	21	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G474RBTx	Cortex-M4	170	128	128	LQFP64	52	1.71-3.6	10	2	3	1	1	5	26	7	7	6	3	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G474RCTx	Cortex-M4	170	256	128	LQFP64	52	1.71-3.6	10	2	3	1	1	5	26	7	7	6	3	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125
STM32G474RETx	Cortex-M4	170	512	128	LQFP64	52	1.71-3.6	10	2	3	1	1	5	26	7	7	6	3	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125

STM32 G4系列 – Arm® Cortex®-M4模数混合型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	F(S)MC	USB FS Device	SAI	UCPD	Math Accelerator	TRNG	AES/DES	T° Max (°C)																																	
																																STM32G474MBTx	Cortex-M4	170	128	128	LQFP80	66	1.71-3.6	10	2	3	1	1	5	41	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125
																																STM32G474MCTx	Cortex-M4	170	256	128	LQFP80	66	1.71-3.6	10	2	3	1	1	5	41	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125
																																STM32G474METx	Cortex-M4	170	512	128	LQFP80	66	1.71-3.6	10	2	3	1	1	5	41	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125
																																STM32G474MEYx	Cortex-M4	170	512	128	WLCSP81	67	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	N/A	125
																																STM32G474VBTx	Cortex-M4	170	128	128	LQFP100	86	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																STM32G474VBHx	Cortex-M4	170	128	128	TFBGA100	86	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																STM32G474VCTx	Cortex-M4	170	256	128	LQFP100	86	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																STM32G474VCHx	Cortex-M4	170	256	128	TFBGA100	86	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																STM32G474VETx	Cortex-M4	170	512	128	LQFP100	86	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																STM32G474VEHx	Cortex-M4	170	512	128	TFBGA100	86	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																STM32G474PB1x	Cortex-M4	170	128	128	UFBGA121	102	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																STM32G474PC1x	Cortex-M4	170	256	128	UFBGA121	102	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																STM32G474PE1x	Cortex-M4	170	512	128	UFBGA121	102	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																STM32G474QBTx	Cortex-M4	170	128	128	LQFP128	107	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
																																STM32G474QCTx	Cortex-M4	170	256	128	LQFP128	107	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125

STM32 G4系列 – Arm® Cortex®-M4模数混合型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	F(S)MC	USB FS Device	SAI	UCPD	Math Accelerator	TRNG	AES/DES	T° Max (°C)
STM32G474QETx	Cortex-M4	170	512	128	LQFP128	107	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	N/A	125
STM32G484CETx	Cortex-M4	170	512	128	LQFP48	38	1.71-3.6	10	2	3	1	1	5	20	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	YES	125
STM32G484CEUx	Cortex-M4	170	512	128	UFQFPN48	42	1.71-3.6	10	2	3	1	1	5	21	7	7	6	3	2	1[QUAD]	4	3	1	3[FD]	0	1	1	1	YES	YES	YES	125
STM32G484RETx	Cortex-M4	170	512	128	LQFP64	52	1.71-3.6	10	2	3	1	1	5	26	7	7	6	3	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	YES	125
STM32G484METx	Cortex-M4	170	512	128	LQFP80	66	1.71-3.6	10	2	3	1	1	5	41	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	YES	125
STM32G484MEYx	Cortex-M4	170	512	128	WLCSP81	67	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	0	1	1	1	YES	YES	YES	125
STM32G484VETx	Cortex-M4	170	512	128	LQFP100	86	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	YES	125
STM32G484VEHx	Cortex-M4	170	512	128	TFBGA100	86	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	YES	125
STM32G484PEIx	Cortex-M4	170	512	128	UFBGA121	102	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	YES	125
STM32G484QETx	Cortex-M4	170	512	128	LQFP128	107	1.71-3.6	10	2	3	1	1	5	42	7	7	6	4	2	1[QUAD]	4	5	1	3[FD]	1	1	1	1	YES	YES	YES	125

STM32 G0系列 – Arm® Cortex®-M0+全新入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	CAN	USB FS HOST/DEVICE	UCPD	TRNG	AES/DES	T° Max (°C)	
STM32G0x0 Value Line																											
STM32G030J6Mx	Cortex-M0+	64	32	8	SO-8	5	2-3.6	5	0	1	0	1	7	0	0	2	1	2	2	0	0	0	0	0	N/A	N/A	125
STM32G030F6Px	Cortex-M0+	64	32	8	TSSOP20	17	2-3.6	5	0	1	0	1	16	0	0	2	1	2	2	0	0	0	0	0	N/A	N/A	125
STM32G030K6Tx	Cortex-M0+	64	32	8	LQFP32	29	2-3.6	5	0	1	0	1	18	0	0	2	1	2	2	0	0	0	0	0	N/A	N/A	125
STM32G030K8Tx	Cortex-M0+	64	64	8	LQFP32	29	2-3.6	5	0	1	0	1	18	0	0	2	1	2	2	0	0	0	0	0	N/A	N/A	125
STM32G030C6Tx	Cortex-M0+	64	32	8	LQFP48	43	2-3.6	5	0	1	0	1	19	0	0	2	1	2	2	0	0	0	0	0	N/A	N/A	125
STM32G030C8Tx	Cortex-M0+	64	64	8	LQFP48	43	2-3.6	5	0	1	0	1	19	0	0	2	1	2	2	0	0	0	0	0	N/A	N/A	125
STM32G050F6Px	Cortex-M0+	64	32	18	TSSOP20	18	2-3.6	7	0	1	2	1	16	0	0	2	1	2	2	1	0	0	0	0	N/A	N/A	125
STM32G050K6Tx	Cortex-M0+	64	32	18	LQFP32	30	2-3.6	7	0	1	2	1	18	0	0	2	1	2	2	1	0	0	0	0	N/A	N/A	125
STM32G050K8Tx	Cortex-M0+	64	64	18	LQFP32	30	2-3.6	7	0	1	2	1	18	0	0	2	1	2	2	1	0	0	0	0	N/A	N/A	125
STM32G050C6Tx	Cortex-M0+	64	32	18	LQFP48	44	2-3.6	7	0	1	2	1	19	0	0	2	1	2	2	1	0	0	0	0	N/A	N/A	125
STM32G050C8Tx	Cortex-M0+	64	64	18	LQFP48	44	2-3.6	7	0	1	2	1	19	0	0	2	1	2	2	1	0	0	0	0	N/A	N/A	125
STM32G070KBTx	Cortex-M0+	64	128	36	LQFP32	29	2-3.6	8	0	1	0	1	13	0	0	2	1	2	4	0	0	0	0	0	N/A	N/A	125
STM32G070CBTx	Cortex-M0+	64	128	36	LQFP48	43	2-3.6	8	0	1	0	1	17	0	0	2	1	2	4	0	0	0	0	0	N/A	N/A	125
STM32G070RBTx	Cortex-M0+	64	128	36	LQFP64	59	2-3.6	8	0	1	0	1	19	0	0	2	1	2	4	0	0	0	0	0	N/A	N/A	125
STM32G0B0KETx	Cortex-M0+	64	512	144	LQFP32	29	2-3.6	9	0	1	0	1	13	0	0	3	2	3	6	0	0	0	0	0	N/A	N/A	125
STM32G0B0CETx	Cortex-M0+	64	512	144	LQFP48	43	2-3.6	9	0	1	0	1	17	0	0	3	2	3	6	0	0	1	0	0	N/A	N/A	125
STM32G0B0RETx	Cortex-M0+	64	512	144	LQFP64	59	2-3.6	9	0	1	0	1	19	0	0	3	2	3	6	0	0	1	0	0	N/A	N/A	125
STM32G0B0VETx	Cortex-M0+	64	512	144	LQFP100	93	2-3.6	9	0	1	0	1	19	0	0	3	2	3	6	0	0	1	0	0	N/A	N/A	125
STM32G031_041 Access Line																											
STM32G031J4Mx	Cortex-M0+	64	16	8	SO-8	6	1.7-3.6	5	1	1	2	1	8	0	0	2	1	2	2	1	0	0	0	0	N/A	N/A	125

STM32 G0系列 – Arm® Cortex®-M0+全新入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	CAN	USB FS HOST/DEVICE	UCPD	TRNG	AES/DES	T° Max (°C)
STM32G031J6Mx	Cortex-M0+	64	32	8	SO-8	6	1.7-3.6	5	1	1	2	1	8	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031Y8Yx	Cortex-M0+	64	64	8	WLCSP18	16	1.7-3.6	5	1	1	2	1	16	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031F4Px	Cortex-M0+	64	16	8	TSSOP20	18	1.7-3.6	5	1	1	2	1	16	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031F6Px	Cortex-M0+	64	32	8	TSSOP20	18	1.7-3.6	5	1	1	2	1	16	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031F8Px	Cortex-M0+	64	64	8	TSSOP20	18	1.7-3.6	5	1	1	2	1	16	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031G4Ux	Cortex-M0+	64	16	8	UFQFPN28	26	1.7-3.6	5	1	1	2	1	17	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031G6Ux	Cortex-M0+	64	32	8	UFQFPN28	26	1.7-3.6	5	1	1	2	1	17	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031G8Ux	Cortex-M0+	64	64	8	UFQFPN28	26	1.7-3.6	5	1	1	2	1	17	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031K4Tx	Cortex-M0+	64	16	8	LQFP32	30	1.7-3.6	5	1	1	2	1	18	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031K6Tx	Cortex-M0+	64	32	8	LQFP32	30	1.7-3.6	5	1	1	2	1	18	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031K8Tx	Cortex-M0+	64	64	8	LQFP32	30	1.7-3.6	5	1	1	2	1	18	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031K4Ux	Cortex-M0+	64	16	8	UFQFPN32	30	1.7-3.6	5	1	1	2	1	18	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031K6Ux	Cortex-M0+	64	32	8	UFQFPN32	30	1.7-3.6	5	1	1	2	1	18	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031K8Ux	Cortex-M0+	64	64	8	UFQFPN32	30	1.7-3.6	5	1	1	2	1	18	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031C4Tx	Cortex-M0+	64	16	8	LQFP48	44	1.7-3.6	5	1	1	2	1	19	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031C6Tx	Cortex-M0+	64	32	8	LQFP48	44	1.7-3.6	5	1	1	2	1	19	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031C8Tx	Cortex-M0+	64	64	8	LQFP48	44	1.7-3.6	5	1	1	2	1	19	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031C4Ux	Cortex-M0+	64	16	8	UFQFPN48	44	1.7-3.6	5	1	1	2	1	19	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031C6Ux	Cortex-M0+	64	32	8	UFQFPN48	44	1.7-3.6	5	1	1	2	1	19	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G031C8Ux	Cortex-M0+	64	64	8	UFQFPN48	44	1.7-3.6	5	1	1	2	1	19	0	0	2	1	2	2	1	0	0	0	N/A	N/A	125
STM32G041J6Mx	Cortex-M0+	64	32	8	SO-8	6	1.7-3.6	5	1	1	2	1	8	0	0	2	1	2	2	1	0	0	0	YES	YES	125

STM32 G0系列 – Arm® Cortex®-M0+全新入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	CAN	USB FS HOST/DEVICE	UCPD	TRNG	AES/DES	T° Max (°C)	
STM32G041F6Px	Cortex-M0+	64	32	8	TSSOP20	18	1.7-3.6	5	1	1	2	1	16	0	0	2	1	2	2	1	0	0	0	YES	YES	125	
STM32G041F8Px	Cortex-M0+	64	64	8	TSSOP20	18	1.7-3.6	5	1	1	2	1	16	0	0	2	1	2	2	1	0	0	0	YES	YES	125	
STM32G041Y8Yx	Cortex-M0+	64	64	8	WLCSP18	16	1.7-3.6	5	1	1	2	1	16	0	0	2	1	2	2	1	0	0	0	YES	YES	125	
STM32G041G6Ux	Cortex-M0+	64	32	8	UFQFPN28	26	1.7-3.6	5	1	1	2	1	17	0	0	2	1	2	2	1	0	0	0	YES	YES	125	
STM32G041G8Ux	Cortex-M0+	64	64	8	UFQFPN28	26	1.7-3.6	5	1	1	2	1	17	0	0	2	1	2	2	1	0	0	0	YES	YES	125	
STM32G041K6Tx	Cortex-M0+	64	32	8	LQFP32	30	1.7-3.6	5	1	1	2	1	18	0	0	2	1	2	2	1	0	0	0	YES	YES	125	
STM32G041K8Tx	Cortex-M0+	64	64	8	LQFP32	30	1.7-3.6	5	1	1	2	1	18	0	0	2	1	2	2	1	0	0	0	YES	YES	125	
STM32G041K8Ux	Cortex-M0+	64	64	8	UFQFPN32	30	1.7-3.6	5	1	1	2	1	18	0	0	2	1	2	2	1	0	0	0	YES	YES	125	
STM32G041C6Tx	Cortex-M0+	64	32	8	LQFP48	44	1.7-3.6	5	1	1	2	1	19	0	0	2	1	2	2	1	0	0	0	YES	YES	125	
STM32G041C8Tx	Cortex-M0+	64	64	8	LQFP48	44	1.7-3.6	5	1	1	2	1	19	0	0	2	1	2	2	1	0	0	0	YES	YES	125	
STM32G041C8Ux	Cortex-M0+	64	64	8	UFQFPN48	44	1.7-3.6	5	1	1	2	1	19	0	0	2	1	2	2	1	0	0	0	YES	YES	125	
STM32G051_G061 DAC, Comp, Motor Control Line																											
STM32G051F6Px	Cortex-M0+	64	32	18	TSSOP20	18	1.7-3.6	8	1	1	2	1	16	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125	
STM32G051F8Px	Cortex-M0+	64	64	18	TSSOP20	18	1.7-3.6	8	1	1	2	1	16	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125	
STM32G051F8Yx	Cortex-M0+	64	64	18	WLCSP20	18	1.7-3.6	8	1	1	2	1	16	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125	
STM32G051G6Ux	Cortex-M0+	64	32	18	UFQFPN28	26	1.7-3.6	8	1	1	2	1	17	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125	
STM32G051G8Ux	Cortex-M0+	64	64	18	UFQFPN28	26	1.7-3.6	8	1	1	2	1	17	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125	
STM32G051K6Ux	Cortex-M0+	64	32	18	UFQFPN32	30	1.7-3.6	8	1	1	2	1	18	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125	
STM32G051K8Ux	Cortex-M0+	64	64	18	UFQFPN32	30	1.7-3.6	8	1	1	2	1	18	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125	
STM32G051K6Tx	Cortex-M0+	64	32	18	LQFP32	30	1.7-3.6	8	1	1	2	1	18	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125	
STM32G051K8Tx	Cortex-M0+	64	64	18	LQFP32	30	1.7-3.6	8	1	1	2	1	18	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125	

STM32 G0系列 – Arm® Cortex®-M0+全新入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	CAN	USB FS HOST/DEVICE	UCPD	TRNG	AES/DES	T° Max (°C)																											
																											STM32G051C6Ux	Cortex-M0+	64	32	18	UFQFPN48	44	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125
																											STM32G051C8Ux	Cortex-M0+	64	64	18	UFQFPN48	44	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125
																											STM32G051C6Tx	Cortex-M0+	64	32	18	LQFP48	44	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125
																											STM32G051C8Tx	Cortex-M0+	64	64	18	LQFP48	44	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	2	1	0	0	0	N/A	N/A	125
																											STM32G061F6Px	Cortex-M0+	64	32	18	TSSOP20	18	1.7-3.6	8	1	1	2	1	16	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G061F8Px	Cortex-M0+	64	64	18	TSSOP20	18	1.7-3.6	8	1	1	2	1	16	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G061F8Yx	Cortex-M0+	64	64	18	WLCSP20	18	1.7-3.6	8	1	1	2	1	16	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G061G6Ux	Cortex-M0+	64	32	18	UFQFPN28	26	1.7-3.6	8	1	1	2	1	17	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G061G8Ux	Cortex-M0+	64	64	18	UFQFPN28	26	1.7-3.6	8	1	1	2	1	17	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G061K6Ux	Cortex-M0+	64	32	18	UFQFPN32	30	1.7-3.6	8	1	1	2	1	18	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G061K8Ux	Cortex-M0+	64	64	18	UFQFPN32	30	1.7-3.6	8	1	1	2	1	18	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G061K6Tx	Cortex-M0+	64	32	18	LQFP32	30	1.7-3.6	8	1	1	2	1	18	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G061K8Tx	Cortex-M0+	64	64	18	LQFP32	30	1.7-3.6	8	1	1	2	1	18	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G061C6Ux	Cortex-M0+	64	32	18	UFQFPN48	44	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G061C8Ux	Cortex-M0+	64	64	18	UFQFPN48	44	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G061C6Tx	Cortex-M0+	64	32	18	LQFP48	44	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G061C8Tx	Cortex-M0+	64	64	18	LQFP48	44	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	2	1	0	0	0	YES	YES	125
																											STM32G071_081 Advanced Line																										
STM32G071EBYx	Cortex-M0+	64	128	36	WLCSP25	23	1.7-3.6	8	1	1	2	1	12	2	2	2	1	2	4	1	0	0	1	N/A	N/A	125																											
STM32G071G8Ux	Cortex-M0+	64	64	36	UFQFPN28	26	1.7-3.6	8	1	1	2	1	12	2	2	2	1	2	4	1	0	0	1	N/A	N/A	125																											
STM32G071GBUx	Cortex-M0+	64	128	36	UFQFPN28	26	1.7-3.6	8	1	1	2	1	12	2	2	2	1	2	4	1	0	0	1	N/A	N/A	125																											

STM32 G0系列 – Arm® Cortex®-M0+全新入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	CAN	USB FS HOST/DEVICE	UCPD	TRNG	AES/DES	T° Max (°C)
STM32G071G8UxN	Cortex-M0+	64	64	36	UFQFPN28	26	1.7-3.6	8	1	1	2	1	11	2	2	2	1	2	4	1	0	0	2	N/A	N/A	125
STM32G071GBUxN	Cortex-M0+	64	128	36	UFQFPN28	26	1.7-3.6	8	1	1	2	1	11	2	2	2	1	2	4	1	0	0	2	N/A	N/A	125
STM32G071K8Tx	Cortex-M0+	64	64	36	LQFP32	30	1.7-3.6	8	1	1	2	1	13	2	2	2	1	2	4	1	0	0	1	N/A	N/A	125
STM32G071K8Ux	Cortex-M0+	64	64	36	UFQFPN32	30	1.7-3.6	8	1	1	2	1	13	2	2	2	1	2	4	1	0	0	1	N/A	N/A	125
STM32G071KBTx	Cortex-M0+	64	128	36	LQFP32	30	1.7-3.6	8	1	1	2	1	13	2	2	2	1	2	4	1	0	0	1	N/A	N/A	125
STM32G071KBUX	Cortex-M0+	64	128	36	UFQFPN32	30	1.7-3.6	8	1	1	2	1	13	2	2	2	1	2	4	1	0	0	1	N/A	N/A	125
STM32G071KBTxN	Cortex-M0+	64	128	36	LQFP32	30	1.7-3.6	8	1	1	2	1	12	2	2	2	1	2	4	1	0	0	2	N/A	N/A	125
STM32G071KBUXN	Cortex-M0+	64	128	36	UFQFPN32	30	1.7-3.6	8	1	1	2	1	12	2	2	2	1	2	4	1	0	0	2	N/A	N/A	125
STM32G071C8Tx	Cortex-M0+	64	64	36	LQFP48	44	1.7-3.6	8	1	1	2	1	17	2	2	2	1	2	4	1	0	0	2	N/A	N/A	125
STM32G071C8Ux	Cortex-M0+	64	64	36	UFQFPN48	44	1.7-3.6	8	1	1	2	1	17	2	2	2	1	2	4	1	0	0	2	N/A	N/A	125
STM32G071CBTx	Cortex-M0+	64	128	36	LQFP48	44	1.7-3.6	8	1	1	2	1	17	2	2	2	1	2	4	1	0	0	2	N/A	N/A	125
STM32G071CBUX	Cortex-M0+	64	128	36	UFQFPN48	44	1.7-3.6	8	1	1	2	1	17	2	2	2	1	2	4	1	0	0	2	N/A	N/A	125
STM32G071R8Tx	Cortex-M0+	64	64	36	LQFP64	60	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	4	1	0	0	2	N/A	N/A	125
STM32G071RBTx	Cortex-M0+	64	128	36	LQFP64	60	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	4	1	0	0	2	N/A	N/A	125
STM32G071RBIX	Cortex-M0+	64	128	36	UFBGA64	60	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	4	1	0	0	2	N/A	N/A	125
STM32G081EBYx	Cortex-M0+	64	128	36	WLCSP25	23	1.7-3.6	8	1	1	2	1	12	2	2	2	1	2	4	1	0	0	1	YES	YES	125
STM32G081GBUX	Cortex-M0+	64	128	36	UFQFPN28	26	1.7-3.6	8	1	1	2	1	12	2	2	2	1	2	4	1	0	0	1	YES	YES	125
STM32G081GBUXN	Cortex-M0+	64	128	36	UFQFPN28	26	1.7-3.6	8	1	1	2	1	11	2	2	2	1	2	4	1	0	0	2	YES	YES	125
STM32G081KBTx	Cortex-M0+	64	128	36	LQFP32	30	1.7-3.6	8	1	1	2	1	13	2	2	2	1	2	4	1	0	0	1	YES	YES	125
STM32G081KBTxN	Cortex-M0+	64	128	36	LQFP32	30	1.7-3.6	8	1	1	2	1	12	2	2	2	1	2	4	1	0	0	2	YES	YES	125
STM32G081KBUX	Cortex-M0+	64	128	36	UFQFPN32	30	1.7-3.6	8	1	1	2	1	13	2	2	2	1	2	4	1	0	0	1	YES	YES	125

STM32 G0系列 – Arm® Cortex®-M0+全新入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	CAN	USB FS HOST/DEVICE	UCPD	TRNG	AES/DES	T° Max (°C)	
STM32G081KBUxN	Cortex-M0+	64	128	36	UFQFPN32	30	1.7-3.6	8	1	1	2	1	12	2	2	2	1	2	4	1	0	0	2	YES	YES	125	
STM32G081CBTx	Cortex-M0+	64	128	36	LQFP48	44	1.7-3.6	8	1	1	2	1	17	2	2	2	1	2	4	1	0	0	2	YES	YES	125	
STM32G081CBUx	Cortex-M0+	64	128	36	UFQFPN48	44	1.7-3.6	8	1	1	2	1	17	2	2	2	1	2	4	1	0	0	2	YES	YES	125	
STM32G081RBTx	Cortex-M0+	64	128	36	LQFP64	60	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	4	1	0	0	2	YES	YES	125	
STM32G081RB1x	Cortex-M0+	64	128	36	UFBGA64	60	1.7-3.6	8	1	1	2	1	19	2	2	2	1	2	4	1	0	0	2	YES	YES	125	
STM32G0B1_OC1 USB, FDCAN, Performance Line																											
STM32G0B1KBTx	Cortex-M0+	64	128	144	LQFP32	30	1.7-3.6	9	1	1	2	1	13	2	3	3	2	3	6	2	2[FD]	0	1	N/A	N/A	125	
STM32G0B1KCTx	Cortex-M0+	64	256	144	LQFP32	30	1.7-3.6	9	1	1	2	1	13	2	3	3	2	3	6	2	2[FD]	0	1	N/A	N/A	125	
STM32G0B1KETx	Cortex-M0+	64	512	144	LQFP32	30	1.7-3.6	9	1	1	2	1	13	2	3	3	2	3	6	2	2[FD]	0	1	N/A	N/A	125	
STM32G0B1KBTxN	Cortex-M0+	64	128	144	LQFP32	29	1.7-3.6	9	1	1	2	1	12	2	3	3	2	3	6	2	2[FD]	0	2	N/A	N/A	125	
STM32G0B1KCTxN	Cortex-M0+	64	256	144	LQFP32	29	1.7-3.6	9	1	1	2	1	12	2	3	3	2	3	6	2	2[FD]	0	2	N/A	N/A	125	
STM32G0B1KETxN	Cortex-M0+	64	512	144	LQFP32	29	1.7-3.6	9	1	1	2	1	12	2	3	3	2	3	6	2	2[FD]	0	2	N/A	N/A	125	
STM32G0B1KBUx	Cortex-M0+	64	128	144	UFQFPN32	30	1.7-3.6	9	1	1	2	1	13	2	3	3	2	3	6	2	2[FD]	0	1	N/A	N/A	125	
STM32G0B1KCUx	Cortex-M0+	64	256	144	UFQFPN32	30	1.7-3.6	9	1	1	2	1	13	2	3	3	2	3	6	2	2[FD]	0	1	N/A	N/A	125	
STM32G0B1KEUx	Cortex-M0+	64	512	144	UFQFPN32	30	1.7-3.6	9	1	1	2	1	13	2	3	3	2	3	6	2	2[FD]	0	1	N/A	N/A	125	
STM32G0B1KBUxN	Cortex-M0+	64	128	144	UFQFPN32	29	1.7-3.6	9	1	1	2	1	12	2	3	3	2	3	6	2	2[FD]	0	2	N/A	N/A	125	
STM32G0B1KCUxN	Cortex-M0+	64	256	144	UFQFPN32	29	1.7-3.6	9	1	1	2	1	12	2	3	3	2	3	6	2	2[FD]	0	2	N/A	N/A	125	
STM32G0B1KEUxN	Cortex-M0+	64	512	144	UFQFPN32	29	1.7-3.6	9	1	1	2	1	12	2	3	3	2	3	6	2	2[FD]	0	2	N/A	N/A	125	
STM32G0B1CBUx	Cortex-M0+	64	128	144	UFQFPN48	44	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	1	N/A	N/A	125	
STM32G0B1CCUx	Cortex-M0+	64	256	144	UFQFPN48	44	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	1	N/A	N/A	125	
STM32G0B1CEUx	Cortex-M0+	64	512	144	UFQFPN48	44	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	1	N/A	N/A	125	

STM32 G0系列 – Arm® Cortex®-M0+全新入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	CAN	USB FS HOST/DEVICE	UCPD	TRNG	AES/DES	T° Max (°C)
STM32G0B1CBUxN	Cortex-M0+	64	128	144	UFQFPN48	42	1.7-3.6	9	1	1	2	1	15	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1CCUxN	Cortex-M0+	64	256	144	UFQFPN48	42	1.7-3.6	9	1	1	2	1	15	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1CEUxN	Cortex-M0+	64	512	144	UFQFPN48	42	1.7-3.6	9	1	1	2	1	15	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1CBTx	Cortex-M0+	64	128	144	LQFP48	44	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	1	N/A	N/A	125
STM32G0B1CCTx	Cortex-M0+	64	256	144	LQFP48	44	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	1	N/A	N/A	125
STM32G0B1CETx	Cortex-M0+	64	512	144	LQFP48	44	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	1	N/A	N/A	125
STM32G0B1CBTxN	Cortex-M0+	64	128	144	LQFP48	42	1.7-3.6	9	1	1	2	1	15	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1CETxN	Cortex-M0+	64	512	144	LQFP48	42	1.7-3.6	9	1	1	2	1	15	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1NEYx	Cortex-M0+	64	512	144	WLCSP52	46	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1RBTx	Cortex-M0+	64	128	144	LQFP64	60	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	1	N/A	N/A	125
STM32G0B1RCTx	Cortex-M0+	64	256	144	LQFP64	60	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	1	N/A	N/A	125
STM32G0B1RETx	Cortex-M0+	64	512	144	LQFP64	60	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	1	N/A	N/A	125
STM32G0B1RBTxN	Cortex-M0+	64	128	144	LQFP64	58	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1RCTxN	Cortex-M0+	64	256	144	LQFP64	58	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1RETxN	Cortex-M0+	64	512	144	LQFP64	58	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1RB1xN	Cortex-M0+	64	128	144	LQFP64	58	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1RC1xN	Cortex-M0+	64	256	144	LQFP64	58	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1RE1xN	Cortex-M0+	64	512	144	LQFP64	58	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1MBTx	Cortex-M0+	64	128	144	LQFP80	74	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1MCTx	Cortex-M0+	64	256	144	LQFP80	74	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1METx	Cortex-M0+	64	512	144	LQFP80	74	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125

STM32 G0系列 – Arm® Cortex®-M0+全新入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	CAN	USB FS HOST/DEVICE	UCPD	TRNG	AES/DES	T° Max (°C)
STM32G0B1VBTx	Cortex-M0+	64	128	144	LQFP100	94	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1VCTx	Cortex-M0+	64	256	144	LQFP100	94	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0B1VETx	Cortex-M0+	64	512	144	LQFP100	94	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	2	N/A	N/A	125
STM32G0C1KETx	Cortex-M0+	64	512	144	LQFP32	30	1.7-3.6	9	1	1	2	1	13	2	3	3	2	3	6	2	2[FD]	1	1	YES	YES	125
STM32G0C1KCTxN	Cortex-M0+	64	256	144	LQFP32	29	1.7-3.6	9	1	1	2	1	12	2	3	3	2	3	6	2	2[FD]	1	2	YES	YES	125
STM32G0C1KETxN	Cortex-M0+	64	512	144	LQFP32	29	1.7-3.6	9	1	1	2	1	12	2	3	3	2	3	6	2	2[FD]	1	2	YES	YES	125
STM32G0C1KCUx	Cortex-M0+	64	256	144	UFQFPN32	30	1.7-3.6	9	1	1	2	1	13	2	3	3	2	3	6	2	2[FD]	1	1	YES	YES	125
STM32G0C1KEUx	Cortex-M0+	64	512	144	UFQFPN32	30	1.7-3.6	9	1	1	2	1	13	2	3	3	2	3	6	2	2[FD]	1	1	YES	YES	125
STM32G0C1KCUxN	Cortex-M0+	64	256	144	UFQFPN32	29	1.7-3.6	9	1	1	2	1	12	2	3	3	2	3	6	2	2[FD]	1	2	YES	YES	125
STM32G0C1KEUxN	Cortex-M0+	64	512	144	UFQFPN32	29	1.7-3.6	9	1	1	2	1	12	2	3	3	2	3	6	2	2[FD]	1	2	YES	YES	125
STM32G0C1CCUx	Cortex-M0+	64	256	144	UFQFPN48	44	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	1	YES	YES	125
STM32G0C1CEUx	Cortex-M0+	64	512	144	UFQFPN48	44	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	1	YES	YES	125
STM32G0C1CETx	Cortex-M0+	64	512	144	LQFP48	44	1.7-3.6	9	1	1	2	1	17	2	3	3	2	3	6	2	2[FD]	1	1	YES	YES	125
STM32G0C1RCTx	Cortex-M0+	64	256	144	LQFP64	60	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	1	YES	YES	125
STM32G0C1RETx	Cortex-M0+	64	512	144	LQFP64	60	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	2	YES	YES	125
STM32G0C1MCTx	Cortex-M0+	64	256	144	LQFP80	74	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	2	YES	YES	125
STM32G0C1METx	Cortex-M0+	64	512	144	LQFP80	74	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	2	YES	YES	125
STM32G0C1VCTx	Cortex-M0+	64	256	144	LQFP100	94	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	2	YES	YES	125
STM32G0C1VETx	Cortex-M0+	64	512	144	LQFP100	94	1.7-3.6	9	1	1	2	1	19	2	3	3	2	3	6	2	2[FD]	1	2	YES	YES	125

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Bytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	ADC 16-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	I2C	U(S)ART	CAN	F(S)MC	USB Device	T° Max (°C)
STM32F301 Access Line																											
STM32F301K6Tx	Cortex-M4	72	32	16	0	LQFPN32	25	2-3.6	5	1	1	0	1	8	0	0	1	2	1	2	2	3	2	0	0	0	105
STM32F301K6Ux	Cortex-M4	72	32	16	0	UFQFPN32	24	2-3.6	5	1	1	0	1	8	0	0	1	2	1	2	2	3	2	0	0	0	105
STM32F301K8Tx	Cortex-M4	72	64	16	0	LQFPN32	25	2-3.6	5	1	1	0	1	8	0	0	1	2	1	2	2	3	2	0	0	0	105
STM32F301K8Ux	Cortex-M4	72	64	16	0	UFQFPN32	24	2-3.6	5	1	1	0	1	8	0	0	1	2	1	2	2	3	2	0	0	0	105
STM32F301C6Tx	Cortex-M4	72	32	16	0	LQFP48	37	2-3.6	5	1	1	0	1	11	0	0	1	3	1	2	2	3	3	0	0	0	105
STM32F301C8Tx	Cortex-M4	72	64	16	0	LQFP48	37	2-3.6	5	1	1	0	1	11	0	0	1	3	1	2	2	3	3	0	0	0	105
STM32F301C8Yx	Cortex-M4	72	64	16	0	WLCSP49	37	2-3.6	5	1	1	0	1	11	0	0	1	3	1	2	2	3	3	0	0	0	105
STM32F301R6T6	Cortex-M4	72	32	16	0	LQFP64	51	2-3.6	5	1	1	0	1	15	0	0	1	3	1	2	2	3	3	0	0	0	85
STM32F301R8T6	Cortex-M4	72	64	16	0	LQFP64	51	2-3.6	5	1	1	0	1	15	0	0	1	3	1	2	2	3	3	0	0	0	85
STM32F302 USB & CAN Line																											
STM32F302K6U6	Cortex-M4	72	32	16	0	UFQFPN32	24	2-3.6	5	1	1	0	1	8	0	0	1	2	1	2	2	3	2	1	0	1	85
STM32F302K8Ux	Cortex-M4	72	64	16	0	UFQFPN32	24	2-3.6	5	1	1	0	1	8	0	0	1	2	1	2	2	3	2	1	0	1	105
STM32F302C6T6	Cortex-M4	72	32	16	0	LQFP48	37	2-3.6	5	1	1	0	1	11	0	0	1	3	1	2	2	3	3	1	0	1	85
STM32F302C8Tx	Cortex-M4	72	64	16	0	LQFP48	37	2-3.6	5	1	1	0	1	11	0	0	1	3	1	2	2	3	3	1	0	1	105
STM32F302C8Yx	Cortex-M4	72	64	16	0	WLCSP49	37	2-3.6	5	1	1	0	1	11	0	0	1	3	1	2	2	3	3	1	0	1	105
STM32F302R6T6	Cortex-M4	72	32	16	0	LQFP64	51	2-3.6	5	1	1	0	1	15	0	0	1	3	1	2	2	3	3	1	0	1	85
STM32F302R8Tx	Cortex-M4	72	64	16	0	LQFP64	51	2-3.6	5	1	1	0	1	15	0	0	1	3	1	2	2	3	3	1	0	1	105
STM32F302CBTx	Cortex-M4	72	128	32	0	LQFP48	37	2-3.6	7	1	1	0	2	9	0	0	1	4	2	3	2	2	3	1	0	1	105
STM32F302CCTx	Cortex-M4	72	256	40	0	LQFP48	37	2-3.6	7	1	1	0	2	9	0	0	1	4	2	3	2	2	3	1	0	1	105

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Bytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	ADC 16-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	I2C	U(S)ART	CAN	F(S)MC	USB Device	T° Max (°C)
STM32F302RBTx	Cortex-M4	72	128	32	0	LQFP64	52	2-3.6	7	1	1	0	2	16	0	0	1	4	2	3	2	2	5	1	0	1	105
STM32F302RCTx	Cortex-M4	72	256	40	0	LQFP64	52	2-3.6	7	1	1	0	2	16	0	0	1	4	2	3	2	2	5	1	0	1	105
STM32F302VBT6	Cortex-M4	72	128	32	0	LQFP100	87	2-3.6	7	1	1	0	2	17	0	0	1	4	2	3	2	2	5	1	0	1	85
STM32F302VCTx	Cortex-M4	72	256	40	0	LQFP100	87	2-3.6	7	1	1	0	2	17	0	0	1	4	2	3	2	2	5	1	0	1	105
STM32F302VCYx	Cortex-M4	72	256	40	0	WLCSP100	77	2-3.6	1	1	1	0	2	17	0	0	1	4	2	3	2	2	5	1	0	1	105
STM32F302RDTx	Cortex-M4	72	384	64	0	LQFP64	51	2-3.6	7	1	1	0	2	16	0	0	1	4	2	4	2	3	5	1	0	1	105
STM32F302RETx	Cortex-M4	72	512	64	0	LQFP64	51	2-3.6	7	1	1	0	2	16	0	0	1	4	2	4	2	3	5	1	0	1	105
STM32F302VDT6	Cortex-M4	72	384	64	0	LQFP100	82	2-3.6	7	1	1	0	2	17	0	0	1	4	2	4	2	3	5	1	1	1	85
STM32F302VDH6	Cortex-M4	72	384	64	0	UFBGA100	84	2-3.6	7	1	1	0	2	17	0	0	1	4	2	4	2	3	5	1	1	1	85
STM32F302VET6	Cortex-M4	72	512	64	0	LQFP100	82	2-3.6	7	1	1	0	2	17	0	0	1	4	2	4	2	3	5	1	1	1	85
STM32F302VEH6	Cortex-M4	72	512	64	0	UFBGA100	84	2-3.6	7	1	1	0	2	17	0	0	1	4	2	4	2	3	5	1	1	1	85
STM32F302ZDT6	Cortex-M4	72	384	64	0	LQFP144	115	2-3.6	7	1	1	0	2	18	0	0	1	4	2	4	2	3	5	1	1	1	85
STM32F302ZETx	Cortex-M4	72	512	64	0	LQFP144	115	2-3.6	7	1	1	0	2	18	0	0	1	4	2	4	2	3	5	1	1	1	105
STM32F303 Performance Line																											
STM32F303K6T6	Cortex-M4	72	32	16	0	LQFP32	25	2-3.6	7	1	1	0	2	9	0	0	3	2	1	1	0	1	2	1	0	0	85
STM32F303K8T6	Cortex-M4	72	64	16	0	LQFP32	25	2-3.6	7	1	1	0	2	9	0	0	3	2	1	1	0	1	2	1	0	0	85
STM32F303C6T6	Cortex-M4	72	32	16	0	LQFP48	37	2-3.6	7	1	1	0	2	15	0	0	3	3	1	1	0	1	3	1	0	0	85
STM32F303C8T6	Cortex-M4	72	64	16	0	LQFP48	37	2-3.6	7	1	1	0	2	15	0	0	3	3	1	1	0	1	3	1	0	0	85
STM32F303C8Y6	Cortex-M4	72	64	16	0	WLCSP49	38	2-3.6	7	1	1	0	2	15	0	0	3	3	1	1	0	1	3	1	0	0	85
STM32F303R6T6	Cortex-M4	72	32	16	0	LQFP64	51	2-3.6	7	1	1	0	2	21	0	0	3	3	1	1	0	1	3	1	0	0	85

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Bytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	ADC 16-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	I2C	U(S)ART	CAN	F(S)MC	USB Device	T° Max (°C)	
STM32F303R8Tx	Cortex-M4	72	64	16	0	LQFP64	51	2-3.6	7	1	1	0	2	21	0	0	3	3	1	1	0	1	3	1	0	0	105	
STM32F303CBTx	Cortex-M4	72	128	40	0	LQFP48	37	2-3.6	9	1	2	0	4	15	0	0	2	7	4	3	2	2	3	1	0	1	105	
STM32F303CCTx	Cortex-M4	72	256	48	0	LQFP48	37	2-3.6	9	1	2	0	4	15	0	0	2	7	4	3	2	2	3	1	0	1	105	
STM32F303RBTx	Cortex-M4	72	128	40	0	LQFP64	52	2-3.6	9	1	2	0	4	22	0	0	2	7	4	3	2	2	5	1	0	1	105	
STM32F303RCTx	Cortex-M4	72	256	48	0	LQFP64	52	2-3.6	9	1	2	0	4	22	0	0	2	7	4	3	2	2	5	1	0	1	105	
STM32F303VBTx	Cortex-M4	72	128	40	0	LQFP100	87	2-3.6	9	1	2	0	4	39	0	0	2	7	4	3	2	2	5	1	0	1	105	
STM32F303VCT6	Cortex-M4	72	256	48	0	LQFP100	87	2-3.6	9	1	2	0	4	39	0	0	2	7	4	3	2	2	5	1	0	1	85	
STM32F303VCYx	Cortex-M4	72	256	48	0	WLCSP100	77	2-3.6	9	1	2	0	4	32	0	0	2	7	4	3	2	2	5	1	0	1	105	
STM32F303RDTx	Cortex-M4	72	384	80	0	LQFP64	51	2-3.6	9	1	2	0	4	22	0	0	2	7	4	4	2	3	5	1	0	1	105	
STM32F303RETx	Cortex-M4	72	512	80	0	LQFP64	51	2-3.6	9	1	2	0	4	22	0	0	2	7	4	4	2	3	5	1	0	1	105	
STM32F303VDT6	Cortex-M4	72	384	80	0	LQFP100	82	2-3.6	10	1	3	0	4	39	0	0	2	7	4	4	2	3	5	1	1	1	85	
STM32F303VDH6	Cortex-M4	72	384	80	0	UFBGA100	84	2-3.6	10	1	3	0	4	39	0	0	2	7	4	4	2	3	5	1	1	1	85	
STM32F303VET6	Cortex-M4	72	512	80	0	LQFP100	82	2-3.6	10	1	3	0	4	39	0	0	2	7	4	4	2	3	5	1	1	1	85	
STM32F303VEH6	Cortex-M4	72	512	80	0	UFBGA100	84	2-3.6	10	1	3	0	4	39	0	0	2	7	4	4	2	3	5	1	1	1	85	
STM32F303VEYx	Cortex-M4	72	512	80	0	WLCSP100	77	2-3.6	10	1	3	0	4	33	0	0	2	7	4	4	2	3	5	1	1	1	105	
STM32F303ZDTx	Cortex-M4	72	384	80	0	LQFP144	115	2-3.6	10	1	3	0	4	40	0	0	2	7	4	4	2	3	5	1	1	1	105	
STM32F303ZETx	Cortex-M4	72	512	80	0	LQFP144	115	2-3.6	10	1	3	0	4	40	0	0	2	7	4	4	2	3	5	1	1	1	105	
STM32F334 Digital power Line - With high-resolution timer (217 picoseconds) and complex waveform builder plus event handler (HRTIM)																												
STM32F334K4T6	Cortex-M4	72	16	16	0	LQFP32	25	2-3.6	7	1	1	1	2	9	0	0	3	2	1	1	0	1	2	1	0	0	85	
STM32F334K6Tx	Cortex-M4	72	32	16	0	LQFP32	25	2-3.6	7	1	1	1	2	9	0	0	3	2	1	1	0	1	2	1	0	0	105	

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Bytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	ADC 16-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	I2C	U(S)ART	CAN	F(S)MC	USB Device	T° Max (°C)
STM32F334K8T6	Cortex-M4	72	64	16	0	LQFP32	25	2-3.6	7	1	1	1	2	9	0	0	3	2	1	1	0	1	2	1	0	0	85
STM32F334K8Ux	Cortex-M4	72	64	16	0	UFQFPN32	24	2-3.6	7	1	1	1	2	9	0	0	3	2	1	1	0	1	2	1	0	0	105
STM32F334C4T6	Cortex-M4	72	16	16	0	LQFP48	37	2-3.6	7	1	1	1	2	15	0	0	3	3	1	1	0	1	3	1	0	0	85
STM32F334C6Tx	Cortex-M4	72	32	16	0	LQFP48	37	2-3.6	7	1	1	1	2	15	0	0	3	3	1	1	0	1	3	1	0	0	105
STM32F334C8Yx	Cortex-M4	72	64	16	0	WLCSFP49	38	2-3.6	7	1	1	1	2	15	0	0	3	3	1	1	0	1	3	1	0	0	105
STM32F334C8Tx	Cortex-M4	72	64	16	0	LQFP48	37	2-3.6	7	1	1	1	2	15	0	0	3	3	1	1	0	1	3	1	0	0	105
STM32F334R6T6	Cortex-M4	72	32	16	0	LQFP64	51	2-3.6	7	1	1	1	2	21	0	0	3	3	1	1	0	1	3	1	0	0	85
STM32F334R8Tx	Cortex-M4	72	64	16	0	LQFP64	51	2-3.6	7	1	1	1	2	21	0	0	3	3	1	1	0	1	3	1	0	0	105
STM32F373 high-precision measurement Line - With 16-bit sigma-delta ADC and 7 built-in gains																											
STM32F373C8T6	Cortex-M4	72	64	16	0	LQFP48	36	2-3.6	12	2	0	0	1	9	3	8	3	2	0	3	3	2	3	1	0	1	85
STM32F373CBTx	Cortex-M4	72	128	24	0	LQFP48	36	2-3.6	12	2	0	0	1	9	3	8	3	2	0	3	3	2	3	1	0	1	105
STM32F373CCTx	Cortex-M4	72	256	32	0	LQFP48	36	2-3.6	12	2	0	0	1	9	3	8	3	2	0	3	3	2	3	1	0	1	105
STM32F373R8T6	Cortex-M4	72	64	16	0	LQFP64	52	2-3.6	12	2	0	0	1	16	3	8	3	2	0	3	3	2	3	1	0	1	85
STM32F373RBTx	Cortex-M4	72	128	24	0	LQFP64	52	2-3.6	12	2	0	0	1	16	3	8	3	2	0	3	3	2	3	1	0	1	105
STM32F373RCT6	Cortex-M4	72	256	32	0	LQFP64	52	2-3.6	12	2	0	0	1	16	3	8	3	2	0	3	3	2	3	1	0	1	85
STM32F373V8T6	Cortex-M4	72	64	16	0	LQFP100	84	2-3.6	12	2	0	0	1	16	3	21	3	2	0	3	3	2	3	1	0	1	85
STM32F373V8H6	Cortex-M4	72	64	16	0	UFBGA100	84	2-3.6	12	2	0	0	1	16	3	21	3	2	0	3	3	2	3	1	0	1	85
STM32F373VBT6	Cortex-M4	72	128	24	0	LQFP100	84	2-3.6	12	2	0	0	1	16	3	21	3	2	0	3	3	2	3	1	0	1	85
STM32F373VBHx	Cortex-M4	72	128	24	0	UFBGA100	84	2-3.6	12	2	0	0	1	16	3	21	3	2	0	3	3	2	3	1	0	1	105
STM32F373VCT6	Cortex-M4	72	256	32	0	LQFP100	84	2-3.6	12	2	0	0	1	16	3	21	3	2	0	3	3	2	3	1	0	1	85
STM32F373VCHx	Cortex-M4	72	256	32	0	UFBGA100	84	2-3.6	12	2	0	0	1	16	3	21	3	2	0	3	3	2	3	1	0	1	105

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Bytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	High Resolution Timer	ADC 12-bit Units	ADC 16-bit Channels	ADC 16-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	I2C	U(S)ART	CAN	F(S)MC	USB Device	T° Max (°C)	
STM32F3x8 Low-voltage Line - 1.8V ±8%																											
STM32F318K8Ux	Cortex-M4	72	64	16	0	UFQFPN32	23	1.65-1.95	5	1	1	0	1	8	0	0	1	2	1	2	2	3	2	0	0	0	105
STM32F318C8Y6	Cortex-M4	72	64	16	0	WLCSP49	36	1.65-1.95	5	1	1	0	1	11	0	0	1	3	1	2	2	3	3	0	0	0	85
STM32F318C8T6	Cortex-M4	72	64	16	0	LQFP48	36	1.65-1.95	5	1	1	0	1	11	0	0	1	3	1	2	2	3	3	0	0	0	85
STM32F328C8T6	Cortex-M4	72	64	16	0	LQFP48	36	1.65-1.95	7	1	1	0	2	14	0	0	3	3	1	1	0	1	3	1	0	0	85
STM32F358CCT6	Cortex-M4	72	256	48	0	LQFP48	36	1.65-1.95	9	1	2	0	4	14	0	0	2	7	4	3	2	2	5	1	0	0	85
STM32F358RCT6	Cortex-M4	72	256	48	0	LQFP64	51	1.65-1.95	9	1	2	0	4	21	0	0	2	7	4	3	2	2	5	1	0	0	85
STM32F358VCT6	Cortex-M4	72	256	48	0	LQFP100	86	1.65-1.95	9	1	2	0	4	38	0	0	2	7	4	3	2	2	5	1	0	0	85
STM32F378CCT6	Cortex-M4	72	256	32	0	LQFP48	36	1.65-1.95	12	2	0	0	1	9	3	21	3	2	0	3	3	2	3	1	0	0	85
STM32F378RCT6	Cortex-M4	72	256	32	0	LQFP64	51	1.65-1.95	12	2	0	0	1	16	3	21	3	2	0	3	3	2	3	1	0	0	85
STM32F378RCY6	Cortex-M4	72	256	32	0	WLCSP66	51	1.65-1.95	12	2	0	0	1	16	3	21	3	2	0	3	3	2	3	1	0	0	85
STM32F378VCT6	Cortex-M4	72	256	32	0	LQFP100	83	1.65-1.95	12	2	0	0	1	16	3	21	3	2	0	3	3	2	3	1	0	0	85
STM32F378VCH6	Cortex-M4	72	256	32	0	UFBGA100	83	1.65-1.95	12	2	0	0	1	16	3	21	3	2	0	3	3	2	3	1	0	0	85
STM32F398VET6	Cortex-M4	72	512	80	0	LQFP100	85	1.65-1.95	10	1	3	0	4	38	0	0	2	7	4	4	2	3	5	1	1	0	85

STM32 F1系列 – Arm® Cortex®-M3基础型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Ethernet	Segment LCD	T° Max (°C)
STM32F100 Value line – 24 MHz CPU with motor control and CEC functions																								
STM32F100C4T6	Cortex-M3	24	16	4	LQFP48	37	2-3.6	5	1	1	10	2	1	0	1	2	0	0	0	0	0	0	0	85
STM32F100C6T6	Cortex-M3	24	32	4	LQFP48	37	2-3.6	5	1	1	10	2	1	0	1	2	0	0	0	0	0	0	0	85
STM32F100C8T6	Cortex-M3	24	64	8	LQFP48	37	2-3.6	6	1	1	10	2	2	0	2	3	0	0	0	0	0	0	0	85
STM32F100CBT6	Cortex-M3	24	128	8	LQFP48	37	2-3.6	6	1	1	10	2	2	0	2	3	0	0	0	0	0	0	0	85
STM32F100R4T6	Cortex-M3	24	16	4	LQFP64	51	2-3.6	5	1	1	16	2	1	0	1	2	0	0	0	0	0	0	0	85
STM32F100R4H6	Cortex-M3	24	16	4	TFBGA64	51	2-3.6	5	1	1	16	2	1	0	1	2	0	0	0	0	0	0	0	85
STM32F100R6T6	Cortex-M3	24	32	4	LQFP64	51	2-3.6	5	1	1	16	2	1	0	1	2	0	0	0	0	0	0	0	85
STM32F100R6H6	Cortex-M3	24	32	4	TFBGA64	51	2-3.6	5	1	1	16	2	1	0	1	2	0	0	0	0	0	0	0	85
STM32F100R8T6	Cortex-M3	24	64	8	LQFP64	51	2-3.6	6	1	1	16	2	2	0	2	3	0	0	0	0	0	0	0	85
STM32F100R8H6	Cortex-M3	24	64	8	TFBGA64	51	2-3.6	6	1	1	16	2	2	0	2	3	0	0	0	0	0	0	0	85
STM32F100RBT6	Cortex-M3	24	128	8	LQFP64	51	2-3.6	6	1	1	16	2	2	0	2	3	0	0	0	0	0	0	0	85
STM32F100RBH6	Cortex-M3	24	128	8	TFBGA64	51	2-3.6	6	1	1	16	2	2	0	2	3	0	0	0	0	0	0	0	85
STM32F100V8T6	Cortex-M3	24	64	8	LQFP100	80	2-3.6	6	1	1	16	2	2	0	2	3	0	0	0	0	0	0	0	85
STM32F100VBT6	Cortex-M3	24	128	8	LQFP100	80	2-3.6	6	1	1	16	2	2	0	2	3	0	0	0	0	0	0	0	85
STM32F100RCT6	Cortex-M3	24	256	24	LQFP64	51	2-3.6	11	1	1	16	2	3	0	2	5	0	0	0	0	0	0	0	85
STM32F100RDT6	Cortex-M3	24	384	32	LQFP64	51	2-3.6	11	1	1	16	2	3	0	2	5	0	0	0	0	0	0	0	85
STM32F100RET6	Cortex-M3	24	512	32	LQFP64	51	2-3.6	11	1	1	16	2	3	0	2	5	0	0	0	0	0	0	0	85
STM32F100VCT6	Cortex-M3	24	256	24	LQFP100	80	2-3.6	11	1	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F100VDT6	Cortex-M3	24	384	32	LQFP100	80	2-3.6	11	1	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F100VET6	Cortex-M3	24	512	32	LQFP100	80	2-3.6	11	1	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85

STM32 F1系列 – Arm® Cortex®-M3基础型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Ethernet	Segment LCD	T° Max (°C)
STM32F100ZCT6	Cortex-M3	24	256	24	LQFP144	112	2-3.6	11	1	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F100ZDT6	Cortex-M3	24	384	32	LQFP144	112	2-3.6	11	1	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F100ZET6	Cortex-M3	24	512	32	LQFP144	112	2-3.6	11	1	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F101 – 36 MHz CPU, up to 1 Mbyte of Flash																								
STM32F101T4U6	Cortex-M3	36	16	4	VFQFPN36	26	2-3.6	2	0	1	10	0	1	0	1	2	0	0	0	0	0	0	0	85
STM32F101T6U6	Cortex-M3	36	32	6	VFQFPN36	26	2-3.6	2	0	1	10	0	1	0	1	2	0	0	0	0	0	0	0	85
STM32F101C4T6	Cortex-M4	36	16	4	LQFP48	37	2-3.6	2	0	1	10	0	1	0	1	2	0	0	0	0	0	0	0	85
STM32F101C6T6	Cortex-M3	36	32	6	LQFP48	37	2-3.6	2	0	1	10	0	1	0	1	2	0	0	0	0	0	0	0	85
STM32F101R4T6	Cortex-M3	36	16	4	LQFP64	51	2-3.6	2	0	1	10	0	1	0	1	2	0	0	0	0	0	0	0	85
STM32F101R6T6	Cortex-M3	36	32	6	LQFP64	51	2-3.6	2	0	1	10	0	1	0	1	2	0	0	0	0	0	0	0	85
STM32F101T8U6	Cortex-M3	36	64	10	VFQFPN36	26	2-3.6	3	0	1	10	0	1	0	1	2	0	0	0	0	0	0	0	85
STM32F101TBU6	Cortex-M3	36	128	16	VFQFPN36	26	2-3.6	3	0	1	10	0	1	0	1	2	0	0	0	0	0	0	0	85
STM32F101C8T6	Cortex-M3	36	64	10	LQFP48	37	2-3.6	3	0	1	10	0	2	0	2	3	0	0	0	0	0	0	0	85
STM32F101CBT6	Cortex-M3	36	128	16	LQFP48	37	2-3.6	3	0	1	10	0	2	0	2	3	0	0	0	0	0	0	0	85
STM32F101C8U6	Cortex-M3	36	64	10	UFQFPN48	37	2-3.6	3	0	1	10	0	2	0	2	3	0	0	0	0	0	0	0	85
STM32F101CBU6	Cortex-M3	36	128	16	UFQFPN48	37	2-3.6	3	0	1	10	0	2	0	2	3	0	0	0	0	0	0	0	85
STM32F101R8T6	Cortex-M3	36	64	10	LQFP64	51	2-3.6	3	0	1	16	0	2	0	2	3	0	0	0	0	0	0	0	85
STM32F101RBH6	Cortex-M4	36	128	16	TFBGA64	50	2-3.6	3	0	1	16	0	2	0	2	2	0	0	0	0	0	0	1	85
STM32F101RBT6	Cortex-M3	36	128	16	LQFP64	51	2-3.6	3	0	1	16	0	2	0	2	3	0	0	0	0	0	0	0	85
STM32F101V8T6	Cortex-M3	36	64	10	LQFP100	80	2-3.6	3	0	1	16	0	2	0	2	3	0	0	0	0	0	0	0	85

STM32 F1系列 – Arm® Cortex®-M3基础型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Ethernet	Segment LCD	T° Max (°C)
STM32F101VBT6	Cortex-M3	36	128	16	LQFP100	80	2-3.6	3	0	1	16	0	2	0	2	3	0	0	0	0	0	0	0	85
STM32F101RCT6	Cortex-M3	36	256	32	LQFP64	51	2-3.6	6	0	1	16	2	3	0	2	5	0	0	0	0	0	0	0	85
STM32F101RDT6	Cortex-M3	36	384	48	LQFP64	51	2-3.6	6	0	1	16	2	3	0	2	5	0	0	0	0	0	0	0	85
STM32F101RET6	Cortex-M3	36	512	48	LQFP64	51	2-3.6	6	0	1	16	2	3	0	2	5	0	0	0	0	0	0	0	85
STM32F101VCT6	Cortex-M3	36	256	32	LQFP100	80	2-3.6	6	0	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F101VDT6	Cortex-M3	36	384	48	LQFP100	80	2-3.6	6	0	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F101VET6	Cortex-M3	36	512	48	LQFP100	80	2-3.6	6	0	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F101ZCT6	Cortex-M3	36	256	32	LQFP144	112	2-3.6	6	0	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F101ZDT6	Cortex-M3	36	384	48	LQFP144	112	2-3.6	6	0	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F101ZET6	Cortex-M3	36	512	48	LQFP144	112	2-3.6	6	0	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F101RFT6	Cortex-M3	36	768	80	LQFP64	51	2-3.6	12	0	1	16	2	3	0	2	5	0	0	0	0	0	0	0	85
STM32F101RGT6	Cortex-M3	36	1024	80	LQFP64	51	2-3.6	12	0	1	16	2	3	0	2	5	0	0	0	0	0	0	0	85
STM32F101VFT6	Cortex-M3	36	768	80	LQFP100	80	2-3.6	12	0	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F101VGT6	Cortex-M3	36	1024	80	LQFP100	80	2-3.6	12	0	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F101ZFT6	Cortex-M3	36	768	80	LQFP144	112	2-3.6	12	0	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F101ZGT6	Cortex-M3	36	1024	80	LQFP144	112	2-3.6	12	0	1	16	2	3	0	2	5	0	0	1	0	0	0	0	85
STM32F102 – 48 MHz CPU with USB FS																								
STM32F102C4T6	Cortex-M3	48	16	4	LQFP48	37	2-3.6	2	0	1	10	0	1	0	1	2	0	0	0	1	0	0	0	85
STM32F102C6T6	Cortex-M3	48	32	6	LQFP48	37	2-3.6	2	0	1	10	0	1	0	1	2	0	0	0	1	0	0	0	85
STM32F102R4T6	Cortex-M3	48	16	4	LQFP64	51	2-3.6	2	0	1	16	0	1	0	1	2	0	0	0	1	0	0	0	85
STM32F102R6T6	Cortex-M3	48	32	6	LQFP64	51	2-3.6	2	0	1	16	0	1	0	1	2	0	0	0	1	0	0	0	85

STM32 F1系列 – Arm® Cortex®-M3基础型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Ethernet	Segment LCD	T° Max (°C)
STM32F102C8T6	Cortex-M3	48	64	10	LQFP48	37	2-3.6	3	0	1	10	0	2	0	2	3	0	0	0	1	0	0	0	85
STM32F102CBT6	Cortex-M3	48	128	16	LQFP48	37	2-3.6	3	0	1	10	0	2	0	2	3	0	0	0	1	0	0	0	85
STM32F102R8T6	Cortex-M3	48	64	10	LQFP64	51	2-3.6	3	0	1	16	0	2	0	2	3	0	0	0	1	0	0	0	85
STM32F102RBT6	Cortex-M3	48	128	16	LQFP64	51	2-3.6	3	0	1	16	0	2	0	2	3	0	0	0	1	0	0	0	85
STM32F103 – 72 MHz, up to 1 Mbyte of Flash with motor control, USB and CAN																								
STM32F103T4U6	Cortex-M3	72	16	6	VFQFPN36	26	2-3.6	3	1	2	10	0	1	0	1	2	1	0	0	1	0	0	0	85
STM32F103T6U6	Cortex-M3	72	32	10	VFQFPN36	26	2-3.6	3	1	2	10	0	1	0	1	2	1	0	0	1	0	0	0	85
STM32F103C4T6	Cortex-M3	72	16	6	LQFP48	37	2-3.6	3	1	2	10	0	1	0	1	2	1	0	0	1	0	0	0	85
STM32F103C6U6	Cortex-M3	72	32	10	UFQFPN48	37	2-3.6	3	1	2	10	0	1	0	1	2	1	0	0	1	0	0	0	85
STM32F103C6T6	Cortex-M3	72	32	10	LQFP48	37	2-3.6	3	1	2	10	0	1	0	1	2	1	0	0	1	0	0	0	85
STM32F103R4H6	Cortex-M3	72	16	6	TFBGA64	51	2-3.6	3	1	2	16	0	1	0	1	2	1	0	0	1	0	0	0	85
STM32F103R4T6	Cortex-M3	72	16	6	LQFP64	51	2-3.6	3	1	2	16	0	1	0	1	2	1	0	0	1	0	0	0	85
STM32F103R6H6	Cortex-M3	72	32	10	TFBGA64	51	2-3.6	3	1	2	16	0	1	0	1	2	1	0	0	1	0	0	0	85
STM32F103R6T6	Cortex-M3	72	32	10	LQFP64	51	2-3.6	3	1	2	16	0	1	0	1	2	1	0	0	1	0	0	0	85
STM32F103T8U6	Cortex-M3	72	64	20	VFQFPN36	26	2-3.6	4	1	2	10	0	1	0	1	2	1	0	0	1	0	0	0	85
STM32F103TBU6	Cortex-M3	72	128	20	VFQFPN36	26	2-3.6	4	1	2	10	0	1	0	1	2	1	0	0	1	0	0	0	85
STM32F103C8T6	Cortex-M3	72	64	20	LQFP48	37	2-3.6	4	1	2	10	0	2	0	2	3	1	0	0	1	0	0	0	85
STM32F103CBT6	Cortex-M3	72	128	20	LQFP48	37	2-3.6	4	1	2	10	0	2	0	2	3	1	0	0	1	0	0	0	85
STM32F103CBU6	Cortex-M3	72	128	20	UFQFPN48	37	2-3.6	4	1	2	10	0	2	0	2	3	1	0	0	1	0	0	0	85
STM32F103R8T6	Cortex-M3	72	64	20	LQFP64	51	2-3.6	4	1	2	16	0	2	0	2	3	1	0	0	1	0	0	0	85
STM32F103R8H6	Cortex-M3	72	64	20	TFBGA64	51	2-3.6	4	1	2	16	0	2	0	2	3	1	0	0	1	0	0	0	85

STM32 F1系列 – Arm® Cortex®-M3基础型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Ethernet	Segment LCD	T° Max (°C)
STM32F103RBT6	Cortex-M3	72	128	20	LQFP64	51	2-3.6	4	1	2	16	0	2	0	2	3	1	0	0	1	0	0	0	85
STM32F103RBH6	Cortex-M3	72	128	20	TFBGA64	51	2-3.6	4	1	2	16	0	2	0	2	3	1	0	0	1	0	0	0	85
STM32F103V8T6	Cortex-M3	72	64	20	LQFP100	80	2-3.6	4	1	2	16	0	2	0	2	3	1	0	0	1	0	0	0	85
STM32F103V8H6	Cortex-M3	72	64	20	LFBGA100	80	2-3.6	4	1	2	16	0	2	0	2	3	1	0	0	1	0	0	0	85
STM32F103VBT6	Cortex-M3	72	128	20	LQFP100	80	2-3.6	4	1	2	16	0	2	0	2	3	1	0	0	1	0	0	0	85
STM32F103VBH6	Cortex-M3	72	128	20	LFBGA100	80	2-3.6	4	1	2	16	0	2	0	2	3	1	0	0	1	0	0	0	85
STM32F103VBI6	Cortex-M3	72	128	20	UFBGA100	80	2-3.6	4	1	2	16	0	2	0	2	3	1	0	0	1	0	0	0	85
STM32F103RCT6	Cortex-M3	72	256	48	LQFP64	51	2-3.6	8	2	3	16	2	3	2	2	5	1	1	0	1	0	0	0	85
STM32F103RDT6	Cortex-M3	72	384	64	LQFP64	51	2-3.6	8	2	3	16	2	3	2	2	5	1	1	0	1	0	0	0	85
STM32F103RET6	Cortex-M3	72	512	64	LQFP64	51	2-3.6	8	2	3	16	2	3	2	2	5	1	1	0	1	0	0	0	85
STM32F103RCY6	Cortex-M3	72	256	48	WLCSP64	51	2-3.6	8	2	3	16	2	3	2	2	5	1	1	0	1	0	0	0	85
STM32F103RDY6	Cortex-M3	72	384	64	WLCSP64	51	2-3.6	8	2	3	16	2	3	2	2	5	1	1	0	1	0	0	0	85
STM32F103REY6	Cortex-M3	72	512	64	WLCSP64	51	2-3.6	8	2	3	16	2	3	2	2	5	1	1	0	1	0	0	0	85
STM32F103VCT6	Cortex-M3	72	256	48	LQFP100	80	2-3.6	8	2	3	16	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103VDT6	Cortex-M3	72	384	64	LQFP100	80	2-3.6	8	2	3	16	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103VET6	Cortex-M3	72	512	64	LQFP100	80	2-3.6	8	2	3	16	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103VCH6	Cortex-M3	72	256	48	LFBGA100	80	2-3.6	8	2	3	16	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103VDH6	Cortex-M3	72	384	64	LFBGA100	80	2-3.6	8	2	3	16	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103VEH6	Cortex-M3	72	512	64	LFBGA100	80	2-3.6	8	2	3	16	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103ZCT6	Cortex-M3	72	256	48	LQFP144	112	2-3.6	8	2	3	21	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103ZDT6	Cortex-M3	72	384	64	LQFP144	112	2-3.6	8	2	3	21	2	3	2	2	5	1	1	1	1	0	0	0	85

STM32 F1系列 – Arm® Cortex®-M3基础型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Ethernet	Segment LCD	T° Max (°C)
STM32F103ZET6	Cortex-M3	72	512	64	LQFP144	112	2-3.6	8	2	3	21	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103ZCH6	Cortex-M3	72	256	48	LFBGA144	112	2-3.6	8	2	3	21	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103ZDH6	Cortex-M3	72	384	64	LFBGA144	112	2-3.6	8	2	3	21	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103ZEH6	Cortex-M3	72	512	64	LFBGA144	112	2-3.6	8	2	3	21	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103RFT6	Cortex-M3	72	768	96	LQFP64	51	2-3.6	14	2	3	16	2	3	2	2	5	1	1	0	1	0	0	0	85
STM32F103RGT6	Cortex-M3	72	1024	96	LQFP64	51	2-3.6	14	2	3	16	2	3	2	2	5	1	1	0	1	0	0	0	85
STM32F103VFT6	Cortex-M3	72	768	96	LQFP100	80	2-3.6	14	2	3	16	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103VGT6	Cortex-M3	72	1024	96	LQFP100	80	2-3.6	14	2	3	16	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103ZFT6	Cortex-M3	72	768	96	LQFP144	112	2-3.6	14	2	3	21	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103ZGT6	Cortex-M3	72	1024	96	LQFP144	112	2-3.6	14	2	3	21	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103ZFH6	Cortex-M3	72	768	96	LFBGA144	112	2-3.6	14	2	3	21	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F103ZGH6	Cortex-M3	72	1024	96	LFBGA144	112	2-3.6	14	2	3	21	2	3	2	2	5	1	1	1	1	0	0	0	85
STM32F105/107 – 72 MHz CPU with Ethernet MAC, CAN and USB 2.0 OTG																								
STM32F105R8T6	Cortex-M3	72	64	64	LQFP64	51	2-3.6	6	1	2	16	2	3	2	2	5	2	0	0	0	1	0	0	85
STM32F105RBT6	Cortex-M3	72	128	64	LQFP64	51	2-3.6	6	1	2	16	2	3	2	2	5	2	0	0	0	1	0	0	85
STM32F105RCT6	Cortex-M3	72	256	64	LQFP64	51	2-3.6	6	1	2	16	2	3	2	2	5	2	0	0	0	1	0	0	85
STM32F105V8H6	Cortex-M3	72	64	64	LFBGA100	80	2-3.6	6	1	2	16	2	3	2	2	5	2	0	0	0	1	0	1	85
STM32F105V8T6	Cortex-M3	72	64	64	LQFP100	80	2-3.6	6	1	2	16	2	3	2	2	5	2	0	0	0	1	0	0	85
STM32F105VBH6	Cortex-M3	72	128	64	LFBGA100	80	2-3.6	6	1	2	16	2	3	2	2	5	2	0	0	0	1	0	0	85
STM32F105VBT6	Cortex-M3	72	128	64	LQFP100	80	2-3.6	6	1	2	16	2	3	2	2	5	2	0	0	0	1	0	0	85
STM32F105VCT6	Cortex-M3	72	256	64	LQFP100	80	2-3.6	6	1	2	16	2	3	2	2	5	2	0	0	0	1	0	0	85

STM32 F1系列 – Arm® Cortex®-M3基础型MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Ethernet	Segment LCD	T° Max (°C)
STM32F107RBT6	Cortex-M3	72	128	64	LQFP64	51	2-3.6	6	1	2	16	2	3	2	1	5	2	0	0	0	1	1	0	85
STM32F107RCT6	Cortex-M3	72	256	64	LQFP64	51	2-3.6	6	1	2	16	2	3	2	1	5	2	0	0	0	1	1	0	85
STM32F107VBT6	Cortex-M3	72	128	64	LQFP100	80	2-3.6	6	1	2	16	2	3	2	1	5	2	0	0	0	1	1	0	85
STM32F107VCT6	Cortex-M3	72	256	64	LQFP100	80	2-3.6	6	1	2	16	2	3	2	1	5	2	0	0	0	1	1	0	85
STM32F107VCH6	Cortex-M3	72	256	64	LFBGA100	80	2-3.6	6	1	2	16	2	3	2	1	5	2	0	0	0	1	1	0	85

STM32 F0系列 – Arm® Cortex®-M0入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	CAN	USB Device	T° Max (°C)
STM32F0x0 Value Line																					
STM32F030F4P6	Cortex-M0	48	16	4	TSSOP20	15	2.4-3.6	5	0	1	1	11	0	0	1	0	1	1	0	0	85
STM32F030K6T6	Cortex-M0	48	32	4	LQFP32	26	2.4-3.6	5	0	1	1	12	0	0	1	0	1	1	0	0	85
STM32F030C6T6	Cortex-M0	48	32	4	LQFP48	39	2.4-3.6	5	0	1	1	12	0	0	1	0	1	1	0	0	85
STM32F030C8T6	Cortex-M0	48	64	8	LQFP48	39	2.4-3.6	7	0	1	1	12	0	0	2	0	2	2	0	0	85
STM32F030CCT6	Cortex-M0	48	256	32	LQFP48	37	2.4-3.6	8	0	1	1	12	0	0	2	0	2	6	0	0	85
STM32F030R8T6	Cortex-M0	48	64	8	LQFP64	55	2.4-3.6	7	0	1	1	18	0	0	2	0	2	2	0	0	85
STM32F030RCT6	Cortex-M0	48	256	32	LQFP64	51	2.4-3.6	8	0	1	1	18	0	0	2	0	2	6	0	0	85
STM32F070F6P6	Cortex-M0	48	32	6	TSSOP20	15	2.4-3.6	5	0	1	1	11	0	0	1	0	1	2	0	1	85
STM32F070C6T6	Cortex-M0	48	32	6	LQFP48	37	2.4-3.6	5	0	1	1	12	0	0	1	0	1	2	0	1	85
STM32F070CBT6	Cortex-M0	48	128	16	LQFP48	37	2.4-3.6	8	0	1	1	12	0	0	2	0	2	4	0	1	85
STM32F070RBT6	Cortex-M0	48	128	16	LQFP64	51	2.4-3.6	8	0	1	1	18	0	0	2	0	2	4	0	1	85
STM32F0x1 Access Line																					
STM32F031F4P6	Cortex-M0	48	16	4	TSSOP20	15	2-3.6	5	1	1	1	12	0	0	1	1	1	1	0	0	85
STM32F031F6P6	Cortex-M0	48	32	4	TSSOP20	15	2-3.6	5	1	1	1	12	0	0	1	1	1	1	0	0	85
STM32F031E6Y6	Cortex-M0	48	32	4	WLCSP25	20	2-3.6	5	1	1	1	13	0	0	1	1	1	1	0	0	85
STM32F031G4U6	Cortex-M0	48	16	4	UFQFPN28	23	2-3.6	5	1	1	1	13	0	0	1	1	1	1	0	0	85
STM32F031G6U6	Cortex-M0	48	32	4	UFQFPN28	23	2-3.6	5	1	1	1	13	0	0	1	1	1	1	0	0	85
STM32F031K4U6	Cortex-M0	48	16	4	UFQFPN32	27	2-3.6	5	1	1	1	13	0	0	1	1	1	1	0	0	85
STM32F031K6U6	Cortex-M0	48	32	4	UFQFPN32	27	2-3.6	5	1	1	1	13	0	0	1	1	1	1	0	0	85
STM32F031K6T6	Cortex-M0	48	32	4	LQFP32	25	2-3.6	5	1	1	1	13	0	0	1	1	1	1	0	0	85

STM32 F0系列 – Arm® Cortex®-M0入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	CAN	USB Device	T° Max (°C)
STM32F031C4T6	Cortex-M0	48	16	4	LQFP48	39	2-3.6	5	1	1	1	13	0	0	1	1	1	1	0	0	85
STM32F031C6T6	Cortex-M0	48	32	4	LQFP48	39	2-3.6	5	1	1	1	13	0	0	1	1	1	1	0	0	85
STM32F051K4T6	Cortex-M0	48	16	8	LQFP32	25	2-3.6	7	1	1	1	13	1	2	1	1	1	1	0	0	85
STM32F051K4U6	Cortex-M0	48	16	8	UFQFPN32	27	2-3.6	7	1	1	1	13	1	2	1	1	1	1	0	0	85
STM32F051K6T6	Cortex-M0	48	32	8	LQFP32	25	2-3.6	7	1	1	1	13	1	2	1	1	1	2	0	0	85
STM32F051K6U6	Cortex-M0	48	32	8	UFQFPN32	27	2-3.6	7	1	1	1	13	1	2	1	1	1	2	0	0	85
STM32F051K8T6	Cortex-M0	48	64	8	LQFP32	25	2-3.6	7	1	1	1	13	1	2	1	1	1	2	0	0	85
STM32F051K8U6	Cortex-M0	48	64	8	UFQFPN32	27	2-3.6	7	1	1	1	13	1	2	1	1	1	2	0	0	85
STM32F051T8Y6	Cortex-M0	48	64	8	WLCSP36	29	2-3.6	7	1	1	1	13	1	2	1	1	1	2	0	0	85
STM32F051C4T6	Cortex-M0	48	16	8	LQFP48	39	2-3.6	7	1	1	1	13	1	2	1	1	1	1	0	0	85
STM32F051C4U6	Cortex-M0	48	16	8	UFQFPN48	39	2-3.6	7	1	1	1	13	1	2	1	1	1	1	0	0	85
STM32F051C6T6	Cortex-M0	48	32	8	LQFP48	39	2-3.6	7	1	1	1	13	1	2	1	1	1	2	0	0	85
STM32F051C6U6	Cortex-M0	48	32	8	UFQFPN48	39	2-3.6	7	1	1	1	13	1	2	1	1	1	2	0	0	85
STM32F051C8T6	Cortex-M0	48	64	8	LQFP48	39	2-3.6	7	1	1	1	13	1	2	2	1	2	2	0	0	85
STM32F051C8U6	Cortex-M0	48	64	8	UFQFPN48	39	2-3.6	7	1	1	1	13	1	2	2	1	2	2	0	0	85
STM32F051R4T6	Cortex-M0	48	16	8	LQFP64	55	2-3.6	7	1	1	1	19	1	2	2	1	1	1	0	0	85
STM32F051R6T6	Cortex-M0	48	32	8	LQFP64	55	2-3.6	7	1	1	1	19	1	2	2	1	1	2	0	0	85
STM32F051R8T6	Cortex-M0	48	64	8	LQFP64	55	2-3.6	7	1	1	1	19	1	2	2	1	2	1	0	0	85
STM32F051R8H6	Cortex-M0	48	64	8	UFBGA64	55	2-3.6	7	1	1	1	19	1	2	2	1	2	2	0	0	85
STM32F071C8T6	Cortex-M0	48	64	16	LQFP48	37	2-3.6	8	1	1	1	13	2	2	2	2	2	4	0	0	85

STM32 F0系列 – Arm® Cortex®-M0入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	CAN	USB Device	T° Max (°C)
STM32F071C8U6	Cortex-M0	48	64	16	UFQFPN48	37	2-3.6	8	1	1	1	13	2	2	2	2	2	4	0	0	85
STM32F071CBY6	Cortex-M0	48	128	16	WLCSP49	37	2-3.6	8	1	1	1	13	2	2	2	2	2	4	0	0	85
STM32F071CBT6	Cortex-M0	48	128	16	LQFP48	37	2-3.6	8	1	1	1	13	2	2	2	2	2	4	0	0	85
STM32F071CBU6	Cortex-M0	48	128	16	UFQFPN48	37	2-3.6	8	1	1	1	13	2	2	2	2	2	4	0	0	85
STM32F071RBT6	Cortex-M0	48	128	16	LQFP64	51	2-3.6	8	1	1	1	19	2	2	2	2	2	4	0	0	85
STM32F071V8H6	Cortex-M0	48	64	16	UFBGA100	87	2-3.6	8	1	1	1	19	2	2	2	2	2	4	0	0	85
STM32F071V8T6	Cortex-M0	48	64	16	LQFP100	87	2-3.6	8	1	1	1	19	2	2	2	2	2	4	0	0	85
STM32F071VBH6	Cortex-M0	48	128	16	UFBGA100	87	2-3.6	8	1	1	1	19	2	2	2	2	2	4	0	0	85
STM32F071VBT6	Cortex-M0	48	128	16	LQFP100	87	2-3.6	8	1	1	1	19	2	2	2	2	2	4	0	0	85
STM32F091CBT6	Cortex-M0	48	128	32	LQFP48	38	2-3.6	8	1	1	1	13	2	2	2	2	2	6	1	0	85
STM32F091CBU6	Cortex-M0	48	128	32	UFQFPN48	38	2-3.6	8	1	1	1	13	2	2	2	2	2	6	1	0	85
STM32F091CCT6	Cortex-M0	48	256	32	LQFP48	38	2-3.6	8	1	1	1	13	2	2	2	2	2	6	1	0	85
STM32F091CCU6	Cortex-M0	48	256	32	UFQFPN48	38	2-3.6	8	1	1	1	13	2	2	2	2	2	6	1	0	85
STM32F091RBT6	Cortex-M0	48	128	32	LQFP64	52	2-3.6	8	1	1	1	19	2	2	2	2	2	8	1	0	85
STM32F091RCT6	Cortex-M0	48	256	32	LQFP64	52	2-3.6	8	1	1	1	19	2	2	2	2	2	8	1	0	85
STM32F091RCH6	Cortex-M0	48	256	32	UFBGA64	52	2-3.6	8	1	1	1	19	2	2	2	2	2	8	1	0	85
STM32F091RCY6	Cortex-M0	48	256	32	WLCSP64	52	2-3.6	8	1	1	1	19	2	2	2	2	2	8	1	0	85
STM32F091VBT6	Cortex-M0	48	128	32	LQFP100	88	2-3.6	8	1	1	1	19	2	2	2	2	2	8	1	0	85
STM32F091VCT6	Cortex-M0	48	256	32	LQFP100	88	2-3.6	8	1	1	1	19	2	2	2	2	2	8	1	0	85
STM32F091VCH6	Cortex-M0	48	256	32	UFBGA100	88	2-3.6	8	1	1	1	19	2	2	2	2	2	8	1	0	85

STM32 F0系列 – Arm® Cortex®-M0入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	CAN	USB Device	T° Max (°C)
STM32F0x2 USB Line - Crystal-less USB 2.0 & CAN																					
STM32F042F4P6	Cortex-M0	48	16	6	TSSOP20	16	2-3.6	5	1	1	1	12	0	0	1	1	1	2	1	1	85
STM32F042F6P6	Cortex-M0	48	32	6	TSSOP20	16	2-3.6	5	1	1	1	12	0	0	1	1	1	2	1	1	85
STM32F042G4U6	Cortex-M0	48	16	6	UFQFPN28	24	2-3.6	5	1	1	1	13	0	0	1	1	1	2	1	1	85
STM32F042G6U6	Cortex-M0	48	32	6	UFQFPN28	24	2-3.6	5	1	1	1	13	0	0	1	1	1	2	1	1	85
STM32F042K4T6	Cortex-M0	48	16	6	LQFP32	26	2-3.6	5	1	1	1	13	0	0	1	1	1	2	1	1	85
STM32F042K4U6	Cortex-M0	48	16	6	UFQFPN32	28	2-3.6	5	1	1	1	13	0	0	1	1	1	2	1	1	85
STM32F042K6T6	Cortex-M0	48	32	6	LQFP32	26	2-3.6	5	1	1	1	13	0	0	1	1	1	2	1	1	85
STM32F042K6U6	Cortex-M0	48	32	6	UFQFPN32	28	2-3.6	5	1	1	1	13	0	0	1	1	1	2	1	1	85
STM32F042T6Y6	Cortex-M0	48	32	6	WLCSP36	30	2-3.6	5	1	1	1	13	0	0	1	1	1	2	1	1	85
STM32F042C4T6	Cortex-M0	48	16	6	LQFP48	38	2-3.6	5	1	1	1	13	0	0	2	1	1	2	1	1	85
STM32F042C4U6	Cortex-M0	48	16	6	UFQFPN48	38	2-3.6	5	1	1	1	13	0	0	2	1	1	2	1	1	85
STM32F042C6T6	Cortex-M0	48	32	6	LQFP48	38	2-3.6	5	1	1	1	13	0	0	2	1	1	2	1	1	85
STM32F042C6U6	Cortex-M0	48	32	6	UFQFPN48	38	2-3.6	5	1	1	1	13	0	0	2	1	1	2	1	1	85
STM32F072C8T6	Cortex-M0	48	64	16	LQFP48	37	2-3.6	8	1	1	1	13	2	2	2	2	2	4	1	1	85
STM32F072C8U6	Cortex-M0	48	64	16	UFQFPN48	37	2-3.6	8	1	1	1	13	2	2	2	2	2	4	1	1	85
STM32F072CBY6	Cortex-M0	48	128	16	WLCSP49	37	2-3.6	8	1	1	1	13	2	2	2	2	2	4	1	1	85
STM32F072CBT6	Cortex-M0	48	128	16	LQFP48	37	2-3.6	8	1	1	1	13	2	2	2	2	2	4	1	1	85
STM32F072CBU6	Cortex-M0	48	128	16	UFQFPN48	37	2-3.6	8	1	1	1	13	2	2	2	2	2	4	1	1	85
STM32F072R8T6	Cortex-M0	48	64	16	LQFP64	51	2-3.6	8	1	1	1	19	2	2	2	2	2	4	1	1	85
STM32F072RBH6	Cortex-M0	48	128	16	UFBGA64	51	2-3.6	8	1	1	1	19	2	2	2	2	2	4	1	1	85

STM32 F0系列 – Arm® Cortex®-M0入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	CAN	USB Device	T° Max (°C)
STM32F072RBT6	Cortex-M0	48	128	16	LQFP64	51	2-3.6	8	1	1	1	19	2	2	2	2	2	4	1	1	85
STM32F072V8H6	Cortex-M0	48	64	16	UFPGA100	87	2-3.6	8	1	1	1	19	2	2	2	2	2	4	1	1	85
STM32F072V8T6	Cortex-M0	48	64	16	LQFP100	87	2-3.6	8	1	1	1	19	2	2	2	2	2	4	1	1	85
STM32F072VBH6	Cortex-M0	48	128	16	UFPGA100	87	2-3.6	8	1	1	1	19	2	2	2	2	2	4	1	1	85
STM32F072VBT6	Cortex-M0	48	128	16	LQFP100	87	2-3.6	8	1	1	1	19	2	2	2	2	2	4	1	1	85
STM32F0x8 Low-voltage Line - 1.8V ±8%																					
STM32F038F6P6	Cortex-M0	48	32	4	TSSOP20	14	1.65-1.95	5	1	1	1	11	0	0	1	1	1	1	0	0	85
STM32F038E6Y6	Cortex-M0	48	32	4	WLCSP25	19	1.65-1.95	5	1	1	1	12	0	0	1	1	1	1	0	0	85
STM32F038G6U6	Cortex-M0	48	32	4	UFQFPN28	22	1.65-1.95	5	1	1	1	12	0	0	1	1	1	1	0	0	85
STM32F038K6U6	Cortex-M0	48	32	4	UFQFPN32	26	1.65-1.95	5	1	1	1	13	0	0	1	1	1	1	0	0	85
STM32F038C6T6	Cortex-M0	48	32	4	LQFP48	38	1.65-1.95	5	1	1	1	13	0	0	1	1	1	1	0	0	85
STM32F048G6U6	Cortex-M0	48	32	6	UFQFPN28	23	1.65-1.95	5	1	1	1	13	0	0	1	1	1	2	0	1	85
STM32F048T6Y6	Cortex-M0	48	32	6	WLCSP36	29	1.65-1.95	5	1	1	1	13	0	0	1	1	1	2	0	1	85
STM32F048C6U6	Cortex-M0	48	32	6	UFQFPN48	37	1.65-1.95	5	1	1	1	13	0	0	2	1	1	2	0	1	85
STM32F058T8Y6	Cortex-M0	48	64	8	WLCSP36	28	1.65-1.95	7	1	1	1	13	1	2	1	1	2	2	0	0	85
STM32F058C8U6	Cortex-M0	48	64	8	UFQFPN48	38	1.65-1.95	7	1	1	1	13	1	2	2	1	2	2	0	0	85
STM32F058R8H6	Cortex-M0	48	64	8	UFPGA64	54	1.65-1.95	7	1	1	1	19	1	2	2	1	2	2	0	0	85
STM32F058R8T6	Cortex-M0	48	64	8	LQFP64	54	1.65-1.95	7	1	1	1	19	1	2	2	1	2	2	0	0	85
STM32F078CBT6	Cortex-M0	48	128	16	LQFP48	36	1.65-1.95	8	1	1	1	13	2	2	2	2	2	4	0	1	85
STM32F078CBU6	Cortex-M0	48	128	16	UFQFPN48	36	1.65-1.95	8	1	1	1	13	2	2	2	2	2	4	0	1	85
STM32F078C8Y6	Cortex-M0	48	128	16	WLCSP49	36	1.65-1.95	8	1	1	1	13	2	2	2	2	2	4	0	1	85

STM32 F0系列 – Arm® Cortex®-M0入门级MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	CAN	USB Device	T° Max (°C)
STM32F078RBH6	Cortex-M0	48	128	16	UFPGA64	50	1.65-1.95	8	1	1	1	19	2	2	2	2	2	4	0	1	85
STM32F078RBT6	Cortex-M0	48	128	16	LQFP64	50	1.65-1.95	8	1	1	1	19	2	2	2	2	2	4	0	1	85
STM32F078VBH6	Cortex-M0	48	128	16	UFPGA100	86	1.65-1.95	8	1	1	1	19	2	2	2	2	2	4	0	1	85
STM32F078VBT6	Cortex-M0	48	128	16	LQFP100	86	1.65-1.95	8	1	1	1	19	2	2	2	2	2	4	0	1	85
STM32F098CCT6	Cortex-M0	48	256	32	LQFP48	37	1.65-1.95	8	1	1	1	13	2	2	2	2	2	6	1	0	85
STM32F098CCU6	Cortex-M0	48	256	32	UFQFPN48	37	1.65-1.95	8	1	1	1	13	2	2	2	2	2	6	1	0	85
STM32F098RCH6	Cortex-M0	48	256	32	UFPGA64	51	1.65-1.95	8	1	1	1	19	2	2	2	2	2	8	1	0	85
STM32F098RCT6	Cortex-M0	48	256	32	LQFP64	51	1.65-1.95	8	1	1	1	19	2	2	2	2	2	8	1	0	85
STM32F098RCY6	Cortex-M0	48	256	32	WLCSP64	51	1.65-1.95	8	1	1	1	19	2	2	2	2	2	8	1	0	85
STM32F098VCT6	Cortex-M0	48	256	32	LQFP100	87	1.65-1.95	8	1	1	1	19	2	2	2	2	2	8	1	0	85
STM32F098VCH6	Cortex-M0	48	256	32	UFPGA100	87	1.65-1.95	8	1	1	1	19	2	2	2	2	2	8	1	0	85

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Timer (16-bit)	Advanced Timer (32-bit)	LPTimer	High Resolution Timer	ADC 12-bit Channels	ADC 16-bit Channels	DAC 12-bit Channels	OPAMP	COMP	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS Host/OTG	Ethernet	MDIO	JPEg Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)					
STM32H7x0 Value Line																																																
STM32H750VBT6	Cortex-M7	480	128	1060	LQFP100	82	1.71-3.6	N/A	12	2	2	5	1	0	0	3	16	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	85	
STM32H750ZBT6	Cortex-M7	480	128	1060	LQFP144	114	1.62-3.6	N/A	12	2	2	5	1	0	0	3	28	2	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	85
STM32H750IBK6	Cortex-M7	480	128	1060	UFBGA176	140	1.62-3.6	N/A	12	2	2	5	1	0	0	3	34	2	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	85
STM32H750IBT6	Cortex-M7	480	128	1060	UFBGA176	140	1.62-3.6	N/A	12	2	2	5	1	0	0	3	34	2	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	85
STM32H750XBH6	Cortex-M7	480	128	1060	TFBGA240	168	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	85
STM32H7B0RBT6	Cortex-M7	280	128	1380	LQFP64	49	1.62-3.6	N/A	12	2	2	3	0	0	0	2	16	3	1	1	4	4	2 [OCTO]	3	7	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	1	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B0VBT6	Cortex-M7	280	128	1380	LQFP100	80	1.71-3.6	N/A	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B0ZBT6	Cortex-M7	280	128	1380	LQFP144	112	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B0ABI6Q	Cortex-M7	280	128	1380	UFBGA169	121	1.62-3.6	YES	12	2	2	3	0	0	0	2	24	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B0IBK6Q	Cortex-M7	280	128	1380	UFBGA176	128	1.62-3.6	YES	12	2	2	3	0	0	0	2	24	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B0IBT6	Cortex-M7	280	128	1380	LQFP176	138	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Timer (16-bit)	Advanced Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)				
STM32H730VBT6	Cortex-M7	550	128	564	LQFP100	80	1.71-3.6	N/A	12	4	2	5	0	1	4	2	26	2	2	5	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	85	
STM32H730VBH6	Cortex-M7	550	128	564	TFBGA100	80	1.62-3.6	N/A	12	4	2	5	0	1	17	2	26	2	2	5	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	85	
STM32H730ZBT6	Cortex-M7	550	128	564	LQFP144	112	1.62-3.6	N/A	12	4	2	5	0	1	12	2	30	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	85	
STM32H730ZBI6	Cortex-M7	550	128	564	UFBGA144	114	1.62-3.6	N/A	12	4	2	5	0	1	17	2	34	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	85	
STM32H730ABI6Q	Cortex-M7	550	128	564	UFBGA169	121	1.62-3.6	YES	12	4	2	5	0	1	17	2	38	2	2	4	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	85	
STM32H730IBK6Q	Cortex-M7	550	128	564	UFBGA176	128	1.62-3.6	YES	12	4	2	5	0	1	17	2	38	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	85	
STM32H730IBT6Q	Cortex-M7	550	128	564	UFBGA176	119	1.62-3.6	YES	12	4	2	5	0	1	12	2	30	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	85	
STM32H742_743_753 Single Core Performance Line																																																
STM32H742VGT6	Cortex-M7	480	1024	692	LQFP100	82	1.71-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85	
STM32H742VGH6	Cortex-M7	480	1024	692	TFBGA100	82	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85	
STM32H742ZGT6	Cortex-M7	480	1024	692	LQFP144	114	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85	
STM32H742AGI6	Cortex-M7	480	1024	692	UFBGA169	131	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85	

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Timer (16-bit)	Advanced Timer (32-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS Host/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)	
																																													85	
STM32H742IGT6	Cortex-M7	480	1024	692	LQFP176	140	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H742IGI6	Cortex-M7	480	1024	692	UFBGA176	140	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H742BGT6	Cortex-M7	480	1024	692	LQFP208	168	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H742XGH6	Cortex-M7	480	1024	692	TFBGA240	168	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H742VIT6	Cortex-M7	480	2048	692	LQFP100	82	1.71-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H742VIH6	Cortex-M7	480	2048	692	TFBGA100	82	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H742ZIT6	Cortex-M7	480	2048	692	LQFP144	114	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H742AII6	Cortex-M7	480	2048	692	UFBGA169	131	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H742IIT6	Cortex-M7	480	2048	692	LQFP176	140	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H742III6	Cortex-M7	480	2048	692	UFBGA176	140	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H742BIT6	Cortex-M7	480	2048	692	LQFP208	168	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Timer (16-bit)	Advanced Timer (32-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS Host/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)																																														
																																												85																																														
																																												STM32H742XIH6	Cortex-M7	480	2048	692	TFBGA240	168	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	N/A	YES	0	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
																																												STM32H743VGT6	Cortex-M7	480	1024	1060	LQFP100	82	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
																																												STM32H743VGH6	Cortex-M7	480	1024	1060	TFBGA100	82	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
																																												STM32H743ZGT6	Cortex-M7	480	1024	1060	LQFP144	114	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
																																												STM32H743AGI6	Cortex-M7	480	1024	1060	UFBGA169	131	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
																																												STM32H743IGT6	Cortex-M7	480	1024	1060	LQFP176	140	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
																																												STM32H743IGI6	Cortex-M7	480	1024	1060	UFBGA176	140	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
																																												STM32H743BGT6	Cortex-M7	480	1024	1060	LQFP208	168	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
																																												STM32H743XGH6	Cortex-M7	480	1024	1060	TFBGA240	168	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
																																												STM32H743VIT6	Cortex-M7	480	2048	1060	LQFP100	82	1.71-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H743VIH6	Cortex-M7	480	2048	1060	TFBGA100	82	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85																																												

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Timer (16-bit)	Advanced Timer (32-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)			
																																											85			
STM32H743ZIT6	Cortex-M7	480	2048	1060	LQFP144	114	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H743AI6	Cortex-M7	480	2048	1060	UFBGA169	131	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H743IIT6	Cortex-M7	480	2048	1060	LQFP176	140	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H743III6	Cortex-M7	480	2048	1060	UFBGA176	140	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H743BIT6	Cortex-M7	480	2048	1060	LQFP208	168	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H743XI6	Cortex-M7	480	2048	1060	TFBGA240	168	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H753VIT6	Cortex-M7	480	2048	1060	LQFP100	82	1.71-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	YES	YES	85
STM32H753VI6	Cortex-M7	480	2048	1060	TFBGA100	82	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	YES	YES	85
STM32H753ZIT6	Cortex-M7	480	2048	1060	LQFP144	114	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	YES	YES	85
STM32H753AI6	Cortex-M7	480	2048	1060	UFBGA169	131	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	YES	YES	85
STM32H753IIT6	Cortex-M7	480	2048	1060	LQFP176	140	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	N/A	YES	N/A	YES	YES	85

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Timer (16-bit)	Advanced Timer (32-bit)	LP Timer	High Resolution Timer	ADC 12-bit Channels	ADC 16-bit Units	DAC 12-bit Channels	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LP UART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIP1 DSI	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)				
STM32H753III6	Cortex-M7	480	2048	1060	UFBGA176	140	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	85	
STM32H753BIT6	Cortex-M7	480	2048	1060	LQFP208	168	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	85	
STM32H753XIH6	Cortex-M7	480	2048	1060	TFBGA240	168	1.62-3.6	N/A	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	85	
STM32H745_755 Dual Core Industrial Line																																																
STM32H745ZGTx	M7 & M4	480 & 240	1024	1060	LQFP144	97	1.62-3.6	YES	12	2	2	5	1	0	0	3	23	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	125	
STM32H745IGTx	M7 & M4	480 & 240	1024	1060	LQFP176	119	1.62-3.6	YES	12	2	2	5	1	0	0	3	28	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	125	
STM32H745IGKx	M7 & M4	480 & 240	1024	1060	UFBGA176	128	1.62-3.6	YES	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	125	
STM32H745BGTx	M7 & M4	480 & 240	1024	1060	LQFP208	148	1.62-3.6	YES	12	2	2	5	1	0	0	3	32	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	125	
STM32H745XGHx	M7 & M4	480 & 240	1024	1060	TFBGA240	168	1.62-3.6	YES	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	125	
STM32H745ZITx	M7 & M4	480 & 240	2048	1060	LQFP144	97	1.62-3.6	YES	12	2	2	5	1	0	0	3	23	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	125	
STM32H745IITx	M7 & M4	480 & 240	2048	1060	LQFP176	119	1.62-3.6	YES	12	2	2	5	1	0	0	3	28	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	125	
STM32H745IIKx	M7 & M4	480 & 240	2048	1060	UFBGA176	128	1.62-3.6	YES	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	125	

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Advanced Timer (16-bit)	Timer (32-bit)	Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)							
STM32H745BITx	M7 & M4	480 & 240	2048	1060	LQFP208	148	1.62-3.6	YES	12	2	2	5	1	0	0	3	32	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	125					
STM32H745XIHx	M7 & M4	480 & 240	2048	1060	TFBGA240	168	1.62-3.6	YES	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	125					
STM32H755ZITx	M7 & M4	480 & 240	2048	1060	LQFP144	97	1.62-3.6	YES	12	2	2	5	1	0	0	3	23	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	125					
STM32H755IITx	M7 & M4	480 & 240	2048	1060	LQFP176	119	1.62-3.6	YES	12	2	2	5	1	0	0	3	28	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	125					
STM32H755IIXx	M7 & M4	480 & 240	2048	1060	UFBGA176	128	1.62-3.6	YES	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	125					
STM32H755BITx	M7 & M4	480 & 240	2048	1060	LQFP208	148	1.62-3.6	YES	12	2	2	5	1	0	0	3	32	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	125					
STM32H755XIHx	M7 & M4	480 & 240	2048	1060	TFBGA240	168	1.62-3.6	YES	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	0	4	1	1	1	1	N/A	YES	N/A	YES	YES	125					
STM32H747_757 Dual Core MIPI_DSI Graphic Line																																																				
STM32H747AGI6	M7 & M4	480 & 240	1024	1060	UFBGA169	112	1.62-3.6	YES	12	2	2	5	1	0	0	3	28	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85					
STM32H747IGT6	M7 & M4	480 & 240	1024	1060	LQFP176	119	1.62-3.6	YES	12	2	2	5	1	0	0	3	28	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85					
STM32H747BGT6	M7 & M4	480 & 240	1024	1060	LQFP208	148	1.62-3.6	YES	12	2	2	5	1	0	0	3	32	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85					
STM32H747XGH6	M7 & M4	480 & 240	1024	1060	TFBGA240	168	1.62-3.6	YES	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85					

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Advanced Timer (16-bit)	Timer (32-bit)	Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS Host/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)			
STM32H747ZIY6	M7 & M4	480 & 240	2048	1060	WLCSP156	99	1.62-3.6	YES	12	2	2	5	1	0	0	3	23	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85	
STM32H747AI6	M7 & M4	480 & 240	2048	1060	UFBGA169	112	1.62-3.6	YES	12	2	2	5	1	0	0	3	28	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85	
STM32H747IIT6	M7 & M4	480 & 240	2048	1060	LQFP176	119	1.62-3.6	YES	12	2	2	5	1	0	0	3	28	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85	
STM32H747BIT6	M7 & M4	480 & 240	2048	1060	LQFP208	148	1.62-3.6	YES	12	2	2	5	1	0	0	3	32	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85	
STM32H747XIH6	M7 & M4	480 & 240	2048	1060	TFBGA240	168	1.62-3.6	YES	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	N/A	N/A	85	
STM32H757ZIY6	M7 & M4	480 & 240	2048	1060	WLCSP156	99	1.62-3.6	YES	12	2	2	5	1	0	0	3	23	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	YES	YES	85	
STM32H757AI6	M7 & M4	480 & 240	2048	1060	UFBGA169	112	1.62-3.6	YES	12	2	2	5	1	0	0	3	28	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	YES	YES	85	
STM32H757IIT6	M7 & M4	480 & 240	2048	1060	LQFP176	119	1.62-3.6	YES	12	2	2	5	1	0	0	3	28	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	YES	YES	85	
STM32H757BIT6	M7 & M4	480 & 240	2048	1060	LQFP208	148	1.62-3.6	YES	12	2	2	5	1	0	0	3	32	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	YES	YES	85	
STM32H757XIH6	M7 & M4	480 & 240	2048	1060	TFBGA240	168	1.62-3.6	YES	12	2	2	5	1	0	0	3	36	2	2	6	3	1 [QUAD]	4	8	1	2 [FD]	2	1	1	1	1	1	YES	YES	1	1	4	1	1	1	1	N/A	YES	N/A	YES	YES	85	
STM32H7A3_7B3 Single Core Graphic Line																																																
STM32H7A3RIT6	Cortex-M7	280	2048	1380	LQFP64	49	1.62-3.6	N/A	12	2	2	3	0	0	0	2	16	3	1	1	4	4	2 [OCTO]	3	7	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	1	1	2	1	1	N/A	YES	N/A	N/A	N/A	85

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Timer (16-bit)	Advanced Timer (32-bit)	LP Timer	High Resolution Timer	ADC 12-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	USART	LPUART	CAN	SDIO	FS/MC	USB FS HOST/OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)					
STM32H7A3RGT6	Cortex-M7	280	1024	1380	LQFP64	49	1.62-3.6	N/A	12	2	2	3	0	0	0	2	16	3	1	1	4	4	2 [OCTO]	3	7	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	1	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3VIH6	Cortex-M7	280	2048	1380	TFBGA100	80	1.62-3.6	N/A	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	10	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3VGH6	Cortex-M7	280	1024	1380	TFBGA100	80	1.62-3.6	N/A	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	10	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3VIT6	Cortex-M7	280	2048	1380	LQFP100	80	1.71-3.6	N/A	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	10	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3VGT6	Cortex-M7	280	1024	1380	LQFP100	80	1.71-3.6	N/A	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	10	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3VIH6Q	Cortex-M7	280	2048	1380	TFBGA100	75	1.62-3.6	YES	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	10	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3VGH6Q	Cortex-M7	280	1024	1380	TFBGA100	75	1.62-3.6	YES	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	10	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3VIT6Q	Cortex-M7	280	2048	1380	LQFP100	68	1.71-3.6	YES	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	9	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3VGT6Q	Cortex-M7	280	1024	1380	LQFP100	68	1.71-3.6	YES	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	9	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3QIY6Q	Cortex-M7	280	2048	1380	WLCSP132	87	1.62-3.6	YES	12	2	2	3	0	0	0	2	17	3	2	2	5	4	2 [OCTO]	4	10	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3ZIT6	Cortex-M7	280	2048	1380	LQFP144	112	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Timer (16-bit)	Advanced Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	USART	LPUART	CAN	SDIO	FS/MC	USB FS HOST/OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)		
STM32H7A3ZGT6	Cortex-M7	280	1024	1380	LQFP144	112	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3ZIT6Q	Cortex-M7	280	2048	1380	LQFP144	97	1.62-3.6	YES	12	2	2	3	0	0	0	2	18	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3ZGT6Q	Cortex-M7	280	1024	1380	LQFP144	97	1.62-3.6	YES	12	2	2	3	0	0	0	2	18	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3AI6Q	Cortex-M7	280	2048	1380	UFBGA169	121	1.62-3.6	YES	12	2	2	3	0	0	0	2	24	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3AGI6Q	Cortex-M7	280	1024	1380	UFBGA169	121	1.62-3.6	YES	12	2	2	3	0	0	0	2	24	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3IIK6	Cortex-M7	280	2048	1380	UFBGA176	138	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	2	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3IGK6	Cortex-M7	280	1024	1380	UFBGA176	138	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3IIT6	Cortex-M7	280	2048	1380	LQFP176	138	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3IGT6	Cortex-M7	280	1024	1380	LQFP176	138	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3IIK6Q	Cortex-M7	280	2048	1380	UFBGA176	128	1.62-3.6	YES	12	2	2	3	0	0	0	2	24	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3IGK6Q	Cortex-M7	280	1024	1380	UFBGA176	128	1.62-3.6	YES	12	2	2	3	0	0	0	2	24	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Timer (16-bit)	Advanced Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 12-bit Channels	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	USART	LPUART	CAN	SDIO	FS/MC	USB FS HOST/OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)		
STM32H7A3IIT6Q	Cortex-M7	280	2048	1380	LQFP176	119	1.62-3.6	YES	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3IGT6Q	Cortex-M7	280	1024	1380	LQFP176	119	1.62-3.6	YES	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3NIH6	Cortex-M7	280	2048	1380	TFBGA216	166	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3NGH6	Cortex-M7	280	1024	1380	TFBGA216	166	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3LIH6Q	Cortex-M7	280	2048	1380	TFBGA225	168	1.62-3.6	YES	12	2	2	3	0	0	0	2	24	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7A3LGH6Q	Cortex-M7	280	1024	1380	TFBGA225	168	1.62-3.6	YES	12	2	2	3	0	0	0	2	24	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	N/A	N/A	N/A	85
STM32H7B3RIT6	Cortex-M7	280	2048	1380	LQFP64	49	1.62-3.6	N/A	12	2	2	3	0	0	0	2	16	3	1	1	4	4	2 [OCTO]	3	7	1	2 [FD]	2	0	1	1	0	1	YES	YES	1	0	1	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3VIH6	Cortex-M7	280	2048	1380	TFBGA100	80	1.62-3.6	N/A	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3VIT6	Cortex-M7	280	2048	1380	LQFP100	80	1.71-3.6	N/A	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3VIH6Q	Cortex-M7	280	2048	1380	TFBGA100	75	1.62-3.6	YES	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3VIT6Q	Cortex-M7	280	2048	1380	LQFP100	68	1.71-3.6	YES	12	2	2	3	0	0	0	2	16	3	2	2	5	4	2 [OCTO]	4	9	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Timer (16-bit)	Advanced Timer (16-bit)	Timer (32-bit)	LPTimer	High Resolution Timer	ADC 12-bit Channels	ADC 16-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)		
STM32H7B3QIY6Q	Cortex-M7	280	2048	1380	WLCSP132	87	1.62-3.6	YES	12	2	2	3	0	0	0	2	17	3	2	2	5	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3ZIT6	Cortex-M7	280	2048	1380	LQFP144	112	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3ZIT6Q	Cortex-M7	280	2048	1380	LQFP144	97	1.62-3.6	YES	12	2	2	3	0	0	0	2	18	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3AI6Q	Cortex-M7	280	2048	1380	UFBGA169	121	1.62-3.6	YES	12	2	2	3	0	0	0	2	24	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3IIK6	Cortex-M7	280	2048	1380	UFBGA176	138	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	2	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3IIT6	Cortex-M7	280	2048	1380	LQFP176	138	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3IIK6Q	Cortex-M7	280	2048	1380	UFBGA176	128	1.62-3.6	YES	12	2	2	3	0	0	0	2	24	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3IIT6Q	Cortex-M7	280	2048	1380	LQFP176	119	1.62-3.6	YES	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3NIH6	Cortex-M7	280	2048	1380	TFBGA216	166	1.62-3.6	N/A	12	2	2	3	0	0	0	2	20	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H7B3LIH6Q	Cortex-M7	280	2048	1380	TFBGA225	168	1.62-3.6	YES	12	2	2	3	0	0	0	2	24	3	2	2	6	4	2 [OCTO]	4	10	1	2 [FD]	2	1	1	1	0	1	YES	YES	1	0	2	1	2	1	1	N/A	YES	YES	YES	YES	85
STM32H723_733_725_735 Access Line																																																
STM32H723VET6	Cortex-M7	550	512	564	LQFP100	80	1.71-3.6	N/A	12	4	2	5	0	1	4	2	26	2	2	2	5	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	N/A	N/A	N/A	85

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Advanced Timer (16-bit) Timer (32-bit) Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)
STM32H723VEH6	Cortex-M7	550	512	564	TFBGA100	80	1.62-3.6	N/A	12 4 2 5 0 1 17 2 26 2 2 2 5 4	2 [OCTO]	5 10 1	3 [FD]	2 1 1 1 1 1	N/A	YES	1 0 2 1 1 1 1	YES	YES	N/A	N/A	N/A	85																				
STM32H723VGT6	Cortex-M7	550	1024	564	LQFP100	80	1.71-3.6	N/A	12 4 2 5 0 1 4 2 26 2 2 2 5 4	2 [OCTO]	5 10 1	3 [FD]	2 1 1 1 1 1	N/A	YES	1 0 2 1 1 1 1	YES	YES	N/A	N/A	N/A	85																				
STM32H723VGH6	Cortex-M7	550	1024	564	TFBGA100	80	1.62-3.6	N/A	12 4 2 5 0 1 17 2 26 2 2 2 5 4	2 [OCTO]	5 10 1	3 [FD]	2 1 1 1 1 1	N/A	YES	1 0 2 1 1 1 1	YES	YES	N/A	N/A	N/A	85																				
STM32H723ZET6	Cortex-M7	550	512	564	LQFP144	112	1.62-3.6	N/A	12 4 2 5 0 1 12 2 30 2 2 2 6 4	2 [OCTO]	5 10 1	3 [FD]	2 1 1 1 1 1	N/A	YES	1 0 2 1 1 1 1	YES	YES	N/A	N/A	N/A	85																				
STM32H723ZEI6	Cortex-M7	550	512	564	UFBGA144	114	1.62-3.6	N/A	12 4 2 5 0 1 17 2 34 2 2 2 6 4	2 [OCTO]	5 10 1	3 [FD]	2 1 1 1 1 1	N/A	YES	1 0 2 1 1 1 1	YES	YES	N/A	N/A	N/A	85																				
STM32H723ZGT6	Cortex-M7	550	1024	564	LQFP144	112	1.62-3.6	N/A	12 4 2 5 0 1 12 2 30 2 2 2 6 4	2 [OCTO]	5 10 1	3 [FD]	2 1 1 1 1 1	N/A	YES	1 0 2 1 1 1 1	YES	YES	N/A	N/A	N/A	85																				
STM32H723ZGI6	Cortex-M7	550	1024	564	UFBGA144	114	1.62-3.6	N/A	12 4 2 5 0 1 17 2 34 2 2 2 6 4	2 [OCTO]	5 10 1	3 [FD]	2 1 1 1 1 1	N/A	YES	1 0 2 1 1 1 1	YES	YES	N/A	N/A	N/A	85																				
STM32H733VGT6	Cortex-M7	550	1024	564	LQFP100	80	1.71-3.6	N/A	12 4 2 5 0 1 4 2 26 2 2 2 5 4	2 [OCTO]	5 10 1	3 [FD]	2 1 1 1 1 1	N/A	YES	1 0 2 1 1 1 1	YES	YES	YES	YES	YES	85																				
STM32H733VGH6	Cortex-M7	550	1024	564	TFBGA100	80	1.62-3.6	N/A	12 4 2 5 0 1 17 2 26 2 2 2 5 4	2 [OCTO]	5 10 1	3 [FD]	2 1 1 1 1 1	N/A	YES	1 0 2 1 1 1 1	YES	YES	YES	YES	YES	85																				
STM32H733ZGT6	Cortex-M7	550	1024	564	LQFP144	112	1.62-3.6	N/A	12 4 2 5 0 1 12 2 30 2 2 2 6 4	2 [OCTO]	5 10 1	3 [FD]	2 1 1 1 1 1	N/A	YES	1 0 2 1 1 1 1	YES	YES	YES	YES	YES	85																				
STM32H733ZGI6	Cortex-M7	550	1024	564	UFBGA144	114	1.62-3.6	N/A	12 4 2 5 0 1 17 2 34 2 2 2 6 4	2 [OCTO]	5 10 1	3 [FD]	2 1 1 1 1 1	N/A	YES	1 0 2 1 1 1 1	YES	YES	YES	YES	YES	85																				

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Advanced Timer (16-bit)										I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)			
									Timer (32-bit)	Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI																													
STM32H725REVx	Cortex-M7	550	512	564	VFQFPN68	46	1.71-3.6	YES	12	4	2	5	0	1	2	2	26	2	2	2	4	4	1 [QUAD]	4	7	1	2 [FD]	2	1	1	0	1	1	N/A	YES	1	0	2	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H725RGVx	Cortex-M7	550	1024	564	VFQFPN68	46	1.71-3.6	YES	12	4	2	5	0	1	2	2	26	2	2	2	4	4	1 [QUAD]	4	7	1	2 [FD]	2	1	1	0	1	1	N/A	YES	1	0	2	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H725VETx	Cortex-M7	550	512	564	LQFP100	67	1.71-3.6	YES	12	4	2	5	0	1	4	2	26	2	2	2	5	4	2 [QUAD]	5	8	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H725VGTx	Cortex-M7	550	1024	564	LQFP100	67	1.71-3.6	YES	12	4	2	5	0	1	4	2	26	2	2	2	5	4	2 [QUAD]	5	8	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H725VEHx	Cortex-M7	550	512	564	TFBGA100	74	1.62-3.6	YES	12	4	2	5	0	1	17	2	26	2	2	2	5	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H725VGHx	Cortex-M7	550	1024	564	TFBGA100	74	1.62-3.6	YES	12	4	2	5	0	1	17	2	26	2	2	2	5	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H725VGY6	Cortex-M7	550	1024	564	WLCSP115	67	1.62-3.6	YES	12	4	2	5	0	1	17	2	26	2	2	2	6	4	2 [QUAD]	5	8	1	3 [FD]	2	1	1	0	1	1	N/A	YES	1	0	2	1	1	1	YES	YES	N/A	N/A	N/A	85
STM32H725ZETx	Cortex-M7	550	512	564	LQFP144	97	1.62-3.6	YES	12	4	2	5	0	1	9	2	28	2	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H725ZGTx	Cortex-M7	550	1024	564	LQFP144	97	1.62-3.6	YES	12	4	2	5	0	1	9	2	28	2	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H725AEIx	Cortex-M7	550	512	564	UFBGA169	121	1.62-3.6	YES	12	4	2	5	0	1	17	2	38	2	2	2	4	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H725AGIx	Cortex-M7	550	1024	564	UFBGA169	121	1.62-3.6	YES	12	4	2	5	0	1	17	2	38	2	2	2	4	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	YES	YES	N/A	N/A	N/A	125

STM32 H7系列 – Arm® Cortex®-M7 / Arm® Cortex®-M7+M4超高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	SMPS	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	High Resolution Timer	ADC 12-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI DSI	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)	
STM32H725IEKx	Cortex-M7	550	512	564	UFBGA176	128	1.62-3.6	YES	12	4	2	5	0	1	17	2	38	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H725IGKx	Cortex-M7	550	1024	564	UFBGA176	128	1.62-3.6	YES	12	4	2	5	0	1	17	2	38	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H725IETx	Cortex-M7	550	512	564	LQFP176	119	1.62-3.6	YES	12	4	2	5	0	1	12	2	30	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H725IGTx	Cortex-M7	550	1024	564	LQFP176	119	1.62-3.6	YES	12	4	2	5	0	1	12	2	30	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	N/A	N/A	N/A	125
STM32H735RGVx	Cortex-M7	550	1024	564	VFQFPN68	46	1.71-3.6	YES	12	4	2	5	0	1	2	2	26	2	2	4	4	1 [QUAD]	4	7	1	2 [FD]	2	1	1	0	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	125
STM32H735VGTx	Cortex-M7	550	1024	564	LQFP100	67	1.71-3.6	YES	12	4	2	5	0	1	4	2	26	2	2	5	4	2 [QUAD]	5	8	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	125
STM32H735VGHx	Cortex-M7	550	1024	564	TFBGA100	74	1.62-3.6	YES	12	4	2	5	0	1	17	2	26	2	2	5	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	125
STM32H735VGy6	Cortex-M7	550	1024	564	WLCSP115	67	1.62-3.6	YES	12	4	2	5	0	1	17	2	26	2	2	6	4	2 [QUAD]	5	8	1	3 [FD]	2	1	1	0	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	85
STM32H735ZGTx	Cortex-M7	550	1024	564	LQFP144	97	1.62-3.6	YES	12	4	2	5	0	1	9	2	28	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	125
STM32H735AGIx	Cortex-M7	550	1024	564	UFBGA169	121	1.62-3.6	YES	12	4	2	5	0	1	17	2	38	2	2	4	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	125
STM32H735IGKx	Cortex-M7	550	1024	564	UFBGA176	128	1.62-3.6	YES	12	4	2	5	0	1	17	2	38	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	125
STM32H735IGTx	Cortex-M7	550	1024	564	LQFP176	119	1.62-3.6	YES	12	4	2	5	0	1	12	2	30	2	2	6	4	2 [OCTO]	5	10	1	3 [FD]	2	1	1	1	1	1	N/A	YES	1	0	2	1	1	1	1	YES	YES	YES	YES	YES	125

STM32 F7系列 – Arm® Cortex®-M7高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	Timer (32-bit)	LP Timer	ADC 12-bit Units	DAC 12-bit Channels	ADC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F7x0 Value Line																																						
STM32F730R8T6	Cortex-M7	216	64	256	LQFP64	50	1.7-3.6	11	2	2	0	3	16	2	3	3	1[QUAD]	3	6	1	1	0	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F730V8T6	Cortex-M7	216	64	256	LQFP100	82	1.7-3.6	11	2	2	1	3	16	2	4	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F730Z8T6	Cortex-M7	216	64	256	LQFP144	112	1.7-3.6	11	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F730I8K6	Cortex-M7	216	64	256	UFBGA176	138	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F750V8T6	Cortex-M7	216	64	320	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	YES	YES	85
STM32F750Z8T6	Cortex-M7	216	64	320	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	YES	YES	85
STM32F750N8H6	Cortex-M7	216	64	320	TFBGA216	168	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	YES	YES	85
STM32F72x_73x Access Line																																						
STM32F722RCT6	Cortex-M7	216	256	256	LQFP64	50	1.7-3.6	12	2	2	0	3	16	2	3	3	1[QUAD]	3	6	1	1	0	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F722RET6	Cortex-M7	216	512	256	LQFP64	50	1.7-3.6	12	2	2	0	3	16	2	3	3	1[QUAD]	3	6	1	1	0	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F722VCT6	Cortex-M7	216	256	256	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F722VET6	Cortex-M7	216	512	256	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F722ZCT6	Cortex-M7	216	256	256	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F722ZET6	Cortex-M7	216	512	256	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F722ICT6	Cortex-M7	216	256	256	LQFP176	140	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85

STM32 F7系列 – Arm® Cortex®-M7高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	Timer (32-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DSI	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)	
STM32F722ICK6	Cortex-M7	216	256	256	UFBGA176	140	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	N/A	N/A	85
STM32F722IET6	Cortex-M7	216	512	256	LQFP176	140	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	N/A	N/A	85
STM32F722IEK6	Cortex-M7	216	512	256	UFBGA176	140	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	N/A	N/A	85
STM32F732RET6	Cortex-M7	216	512	256	LQFP64	50	1.7-3.6	12	2	2	0	3	16	2	3	3	1[QUAD]	3	6	1	1	0	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	YES	N/A	85
STM32F732VET6	Cortex-M7	216	512	256	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	YES	N/A	85
STM32F732ZET6	Cortex-M7	216	512	256	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	YES	N/A	85
STM32F732IET6	Cortex-M7	216	512	256	LQFP176	140	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	YES	N/A	85
STM32F732IEK6	Cortex-M7	216	512	256	UFBGA176	140	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	2	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	YES	N/A	85
STM32F723VCT6	Cortex-M7	216	256	256	LQFP100	79	1.7-3.6	11	2	2	1	3	16	2	4	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	N/A	N/A	85
STM32F723VET6	Cortex-M7	216	512	256	LQFP100	79	1.7-3.6	11	2	2	1	3	16	2	4	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	N/A	N/A	85
STM32F723VEY6	Cortex-M7	216	512	256	WLCSP100	79	1.7-3.6	11	2	2	1	3	16	2	4	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	N/A	N/A	85
STM32F723ZCT6	Cortex-M7	216	256	256	LQFP144	112	1.7-3.6	11	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	N/A	N/A	85
STM32F723ZCI6	Cortex-M7	216	256	256	UFBGA144	112	1.7-3.6	11	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	N/A	N/A	85
STM32F723ZET6	Cortex-M7	216	512	256	LQFP144	112	1.7-3.6	11	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	N/A	N/A	85
STM32F723ZEI6	Cortex-M7	216	512	256	UFBGA144	112	1.7-3.6	11	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	0	YES	N/A	N/A	85

STM32 F7系列 – Arm® Cortex®-M7高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F723ICT6	Cortex-M7	216	256	256	LQFP176	138	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F723ICK6	Cortex-M7	216	256	256	UFBGA176	138	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F723IET6	Cortex-M7	216	512	256	LQFP176	138	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F723IEK6	Cortex-M7	216	512	256	UFBGA176	138	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	N/A	N/A	85
STM32F733VET6	Cortex-M7	216	512	256	LQFP100	79	1.7-3.6	11	2	2	1	3	16	2	4	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	YES	N/A	85
STM32F733VEY6	Cortex-M7	216	512	256	WLCSP100	79	1.7-3.6	11	2	2	1	3	16	2	4	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	YES	N/A	85
STM32F733ZET6	Cortex-M7	216	512	256	LQFP144	112	1.7-3.6	11	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	YES	N/A	85
STM32F733ZEI6	Cortex-M7	216	512	256	UFBGA144	112	1.7-3.6	11	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	YES	N/A	85
STM32F733IET6	Cortex-M7	216	512	256	LQFP176	138	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	YES	N/A	85
STM32F733IEK6	Cortex-M7	216	512	256	UFBGA176	138	1.7-3.6	12	2	2	1	3	24	2	5	3	1[QUAD]	3	8	1	1	1	1	1	0	0	N/A	N/A	0	0	2	0	0	0	YES	YES	N/A	85
STM32F74x_75x Performance Line																																						
STM32F745VET6	Cortex-M7	216	512	320	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	0	0	2	1	0	1	YES	N/A	N/A	85
STM32F745VGT6	Cortex-M7	216	1024	320	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	0	0	2	1	0	1	YES	N/A	N/A	85
STM32F745VEH6	Cortex-M7	216	512	320	TFBGA100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	0	0	2	1	0	1	YES	N/A	N/A	85
STM32F745VGH6	Cortex-M7	216	1024	320	TFBGA100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	0	0	2	1	0	1	YES	N/A	N/A	85

STM32 F7系列 – Arm® Cortex®-M7高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	Timer (32-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F745ZET6	Cortex-M7	216	512	320	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	0	0	2	1	0	1	YES	N/A	N/A	85
STM32F745ZGT6	Cortex-M7	216	1024	320	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	0	0	2	1	0	1	YES	N/A	N/A	85
STM32F745IET6	Cortex-M7	216	512	320	LQFP176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	0	0	2	1	0	1	YES	N/A	N/A	85
STM32F745IGT6	Cortex-M7	216	1024	320	LQFP176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	0	0	2	1	0	1	YES	N/A	N/A	85
STM32F745IEK6	Cortex-M7	216	512	320	UFBGA176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	0	0	2	1	0	1	YES	N/A	N/A	85
STM32F745IGK6	Cortex-M7	216	1024	320	UFBGA176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	0	0	2	1	0	1	YES	N/A	N/A	85
STM32F746VET6	Cortex-M7	216	512	320	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746VGT6	Cortex-M7	216	1024	320	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746VEH6	Cortex-M7	216	512	320	TFBGA100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746VGH6	Cortex-M7	216	1024	320	TFBGA100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746ZET6	Cortex-M7	216	512	320	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746ZGT6	Cortex-M7	216	1024	320	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746ZEY6	Cortex-M7	216	512	320	WLCSP143	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746ZGY6	Cortex-M7	216	1024	320	WLCSP143	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746IET6	Cortex-M7	216	512	320	LQFP176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85

STM32 F7系列 – Arm® Cortex®-M7高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	Timer (32-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F746IGT6	Cortex-M7	216	1024	320	LQFP176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746IEK6	Cortex-M7	216	512	320	UFBGA176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746IGK6	Cortex-M7	216	1024	320	UFBGA176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746BET6	Cortex-M7	216	512	320	LQFP208	168	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746BGT6	Cortex-M7	216	1024	320	LQFP208	168	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746NEH6	Cortex-M7	216	512	320	TFBGA216	168	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F746NGH6	Cortex-M7	216	1024	320	TFBGA216	168	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	N/A	N/A	85
STM32F756VGT6	Cortex-M7	216	1024	320	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	YES	YES	85
STM32F756VGH6	Cortex-M7	216	1024	320	TFBGA100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	YES	YES	85
STM32F756ZGT6	Cortex-M7	216	1024	320	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	YES	YES	85
STM32F756ZGY6	Cortex-M7	216	1024	320	WLCSP143	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	YES	YES	85
STM32F756IGT6	Cortex-M7	216	1024	320	LQFP176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	YES	YES	85
STM32F756IGK6	Cortex-M7	216	1024	320	UFBGA176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	YES	YES	85
STM32F756BGT6	Cortex-M7	216	1024	320	LQFP208	168	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	YES	YES	85
STM32F756NGH6	Cortex-M7	216	1024	320	TFBGA216	168	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	2	1	1	1	1	1	0	N/A	YES	1	0	2	1	0	1	YES	YES	YES	85

STM32 F7系列 – Arm® Cortex®-M7高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)	STM32F765_767_777 Advanced Line																											
STM32F765VGT6	Cortex-M7	216	1024	512	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765VIT6	Cortex-M7	216	2048	512	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765VGH6	Cortex-M7	216	1024	512	TFBGA100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765VIH6	Cortex-M7	216	2048	512	TFBGA100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765ZGT6	Cortex-M7	216	1024	512	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765ZIT6	Cortex-M7	216	2048	512	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765IGT6	Cortex-M7	216	1024	512	LQFP176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765IIT6	Cortex-M7	216	2048	512	LQFP176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765IGK6	Cortex-M7	216	1024	512	UFBGA176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765IHK6	Cortex-M7	216	2048	512	UFBGA176	140	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765BGT6	Cortex-M7	216	1024	512	LQFP208	168	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765BIT6	Cortex-M7	216	2048	512	LQFP208	168	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765NGH6	Cortex-M7	216	1024	512	TFBGA216	168	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											
STM32F765NIH6	Cortex-M7	216	2048	512	TFBGA216	168	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	1	1	1	1	1	1	1	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85																											

STM32 F7系列 – Arm® Cortex®-M7高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	Timer (32-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	D3SDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F767VGT6	Cortex-M7	216	1024	512	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767VIT6	Cortex-M7	216	2048	512	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767VGH6	Cortex-M7	216	1024	512	TFBGA100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767VIH6	Cortex-M7	216	2048	512	TFBGA100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767ZGT6	Cortex-M7	216	1024	512	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767ZIT6	Cortex-M7	216	2048	512	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767IGT6	Cortex-M7	216	1024	512	LQFP176	132	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767IIT6	Cortex-M7	216	2048	512	LQFP176	132	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767IGK6	Cortex-M7	216	1024	512	UFBGA176	132	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767IIK6	Cortex-M7	216	2048	512	UFBGA176	132	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767BGT6	Cortex-M7	216	1024	512	LQFP208	159	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767BIT6	Cortex-M7	216	2048	512	LQFP208	159	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767NGH6	Cortex-M7	216	1024	512	TFBGA216	159	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F767NIH6	Cortex-M7	216	2048	512	TFBGA216	159	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	N/A	N/A	85
STM32F777VIT6	Cortex-M7	216	2048	512	LQFP100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	YES	YES	85

STM32 F7系列 – Arm® Cortex®-M7高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)	
STM32F777VIH6	Cortex-M7	216	2048	512	TFBGA100	82	1.7-3.6	12	2	2	1	3	16	2	4	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	YES	YES	85	
STM32F777ZIT6	Cortex-M7	216	2048	512	LQFP144	114	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	YES	YES	85	
STM32F777IIT6	Cortex-M7	216	2048	512	LQFP176	132	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	YES	YES	85	
STM32F777IHK6	Cortex-M7	216	2048	512	UFBGA176	132	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	YES	YES	85	
STM32F777BIT6	Cortex-M7	216	2048	512	LQFP208	159	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	YES	YES	85	
STM32F777NIH6	Cortex-M7	216	2048	512	TFBGA216	159	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	0	2	1	1	1	YES	YES	YES	85	
STM32F769_779 MIPI-DSI Graphic Line																																							
STM32F769AIY6	Cortex-M7	216	2048	512	WLCSP180	129	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	0	1	YES	YES	1	1	2	1	1	1	YES	N/A	N/A	85	
STM32F769BGT6	Cortex-M7	216	1024	512	LQFP208	159	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	1	2	1	1	1	YES	N/A	N/A	85	
STM32F769BIT6	Cortex-M7	216	2048	512	LQFP208	159	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	1	2	1	1	1	YES	N/A	N/A	85	
STM32F769IGT6	Cortex-M7	216	1024	512	LQFP176	132	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	1	2	1	1	1	YES	N/A	N/A	85	
STM32F769IIT6	Cortex-M7	216	2048	512	LQFP176	132	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	1	2	1	1	1	YES	N/A	N/A	85	
STM32F769NGH6	Cortex-M7	216	1024	512	TFBGA216	159	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	1	2	1	1	1	YES	N/A	N/A	85	
STM32F769NIH6	Cortex-M7	216	2048	512	TFBGA216	159	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	1	2	1	1	1	YES	N/A	N/A	85	
STM32F778AIY6	Cortex-M7	216	2048	512	WLCSP180	129	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	0	1	YES	YES	1	1	2	1	1	1	YES	YES	YES	85	

STM32 F7系列 – Arm® Cortex®-M7高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	JPEG Codec	GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F779AIY6	Cortex-M7	216	2048	512	WLCSP180	129	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	0	1	YES	YES	1	1	2	1	1	1	YES	YES	YES	85
STM32F779BIT6	Cortex-M7	216	2048	512	LQFP208	159	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	1	2	1	1	1	YES	YES	YES	85
STM32F779IIT6	Cortex-M7	216	2048	512	LQFP176	132	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	1	2	1	1	1	YES	YES	YES	85
STM32F779NIH6	Cortex-M7	216	2048	512	TFBGA216	159	1.7-3.6	12	2	2	1	3	24	2	6	3	1[QUAD]	4	8	3	2	1	1	1	1	1	YES	YES	1	1	2	1	1	1	YES	YES	YES	85

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)			
STM32F400_402 Value Line																																							
STM32F400CBT6	Cortex-M4	100	128	32	LQFP48	36	1.7-3.6	4	1	1	1	1	10	1	3	3	0	3	3	0	0	0	0	0	0	N/A	0	0	0	0	0	0	0	YES	N/A	N/A	85		
STM32F400RBT6	Cortex-M4	100	128	32	LQFP64	50	1.8-3.6	4	1	1	1	1	16	1	3	3	0	3	3	0	0	0	0	0	0	N/A	0	0	0	0	0	0	0	YES	N/A	N/A	85		
STM32F402RCT6	Cortex-M4	84	256	64	LQFP64	50	1.7-3.6	6	2	1	0	1	16	0	3	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85		
STM32F402VCT6	Cortex-M4	84	256	64	LQFP100	81	1.7-3.6	6	2	1	0	1	16	0	4	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85		
STM32F401_410_411_412_413_423 Access Line																																							
STM32F401CBU6	Cortex-M4	84	128	64	UFQFPN48	36	1.7-3.6	6	2	1	0	1	10	0	3	2	0	3	3	0	0	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85		
STM32F401CBY6	Cortex-M4	84	128	64	WLCSP49	36	1.7-3.6	6	2	1	0	1	10	0	3	2	0	3	3	0	0	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85		
STM32F401CCU6	Cortex-M4	84	256	64	UFQFPN48	36	1.7-3.6	6	2	1	0	1	10	0	3	2	0	3	3	0	0	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85		
STM32F401CCY6	Cortex-M4	84	256	64	WLCSP49	36	1.7-3.6	6	2	1	0	1	10	0	3	2	0	3	3	0	0	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85		
STM32F401CDU6	Cortex-M4	84	384	96	UFQFPN48	36	1.7-3.6	6	2	1	0	1	10	0	3	2	0	3	3	0	0	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85		
STM32F401CDY6	Cortex-M4	84	384	96	WLCSP49	36	1.7-3.6	6	2	1	0	1	10	0	3	2	0	3	3	0	0	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85		
STM32F401CEU6	Cortex-M4	84	512	96	UFQFPN48	36	1.7-3.6	6	2	1	0	1	10	0	3	2	0	3	3	0	0	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85		
STM32F401CEY6	Cortex-M4	84	512	96	WLCSP49	36	1.7-3.6	6	2	1	0	1	10	0	3	2	0	3	3	0	0	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85		
STM32F401RBT6	Cortex-M4	84	128	64	LQFP64	50	1.7-3.6	6	2	1	0	1	16	0	3	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85		
STM32F401RCT6	Cortex-M4	84	256	64	LQFP64	50	1.7-3.6	6	2	1	0	1	16	0	3	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85		

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Advanced Features										Connectivity & I/O										T° Max (°C)									
								Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD		MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	
STM32F401RDT6	Cortex-M4	84	384	96	LQFP64	50	1.7-3.6	6	2	1	0	1	16	0	3	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F401RET6	Cortex-M4	84	512	96	LQFP64	50	1.7-3.6	6	2	1	0	1	16	0	3	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F401VBT6	Cortex-M4	84	128	64	LQFP100	81	1.7-3.6	6	2	1	0	1	16	0	4	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F401VBH6	Cortex-M4	84	128	64	UFBGA100	81	1.7-3.6	6	2	1	0	1	16	0	4	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F401VCT6	Cortex-M4	84	256	64	LQFP100	81	1.7-3.6	6	2	1	0	1	16	0	4	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F401VCH6	Cortex-M4	84	256	64	UFBGA100	81	1.7-3.6	6	2	1	0	1	16	0	4	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F401VDT6	Cortex-M4	84	384	96	LQFP100	81	1.7-3.6	6	2	1	0	1	16	0	4	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F401VDH6	Cortex-M4	84	384	96	UFBGA100	81	1.7-3.6	6	2	1	0	1	16	0	4	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F401VET6	Cortex-M4	84	512	96	LQFP100	81	1.7-3.6	6	2	1	0	1	16	0	4	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F401VEH6	Cortex-M4	84	512	96	UFBGA100	81	1.7-3.6	6	2	1	0	1	16	0	4	2	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F410T8Y6	Cortex-M4	100	64	32	WLCSP36	23	1.7-3.6	4	1	1	1	1	4	1	1	1	0	2	2	0	0	0	0	0	0	N/A	0	0	0	0	0	0	0	YES	N/A	N/A	85
STM32F410TBY6	Cortex-M4	100	128	32	WLCSP36	23	1.7-3.6	4	1	1	1	1	4	1	1	1	0	2	2	0	0	0	0	0	0	N/A	0	0	0	0	0	0	0	YES	N/A	N/A	85
STM32F410C8U6	Cortex-M4	100	64	32	UFQFPN48	36	1.7-3.6	4	1	1	1	1	10	1	3	3	0	3	3	0	0	0	0	0	0	N/A	0	0	0	0	0	0	0	YES	N/A	N/A	85
STM32F410CBU6	Cortex-M4	100	128	32	UFQFPN48	36	1.7-3.6	4	1	1	1	1	10	1	3	3	0	3	3	0	0	0	0	0	0	N/A	0	0	0	0	0	0	0	YES	N/A	N/A	85
STM32F410R8T6	Cortex-M4	100	64	32	LQFP64	50	1.7-3.6	4	1	1	1	1	16	1	3	3	0	3	3	0	0	0	0	0	0	N/A	0	0	0	0	0	0	0	YES	N/A	N/A	85

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	D/SDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)	
STM32F410RBT6	Cortex-M4	100	128	32	LQFP64	50	1.7-3.6	4	1	1	1	1	16	1	3	3	0	3	3	0	0	0	0	0	0	N/A	0	0	0	0	0	0	0	YES	N/A	N/A	85
STM32F411CCU6	Cortex-M4	100	256	128	UFQFPN48	36	1.7-3.6	6	2	1	0	1	10	0	5	5	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F411CCY6	Cortex-M4	100	256	128	WLCSP49	36	1.7-3.6	6	2	1	0	1	10	0	5	5	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F411CEU6	Cortex-M4	100	512	128	UFQFPN48	36	1.7-3.6	6	2	1	0	1	10	0	5	5	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F411CEY6	Cortex-M4	100	512	128	WLCSP49	36	1.7-3.6	6	2	1	0	1	10	0	5	5	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F411RCT6	Cortex-M4	100	256	128	LQFP64	50	1.7-3.6	6	2	1	0	1	16	0	5	5	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F411RET6	Cortex-M4	100	512	128	LQFP64	50	1.7-3.6	6	2	1	0	1	16	0	5	5	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F411VCT6	Cortex-M4	100	256	128	LQFP100	81	1.7-3.6	6	2	1	0	1	16	0	5	5	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F411VCH6	Cortex-M4	100	256	128	UFBGA100	81	1.7-3.6	6	2	1	0	1	16	0	5	5	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F411VET6	Cortex-M4	100	512	128	LQFP100	81	1.7-3.6	6	2	1	0	1	16	0	5	5	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F411VEH6	Cortex-M4	100	512	128	UFBGA100	81	1.7-3.6	6	2	1	0	1	16	0	5	5	0	3	3	0	1	0	1	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A	N/A	85
STM32F412CEU6	Cortex-M4	100	512	256	UFQFPN48	36	1.7-3.6	12	2	2	0	1	10	0	5	5	0	4	3	2	1	0	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85	
STM32F412CGU6	Cortex-M4	100	1024	256	UFQFPN48	36	1.7-3.6	12	2	2	0	1	10	0	5	5	0	4	3	2	1	0	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85	
STM32F412RET6	Cortex-M4	100	512	256	LQFP64	50	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	0	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85	
STM32F412REY6	Cortex-M4	100	512	256	WLCSP64	50	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	0	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85	

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F412RGT6	Cortex-M4	100	1024	256	LQFP64	50	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	0	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85
STM32F412RGY6	Cortex-M4	100	1024	256	WLCSP64	50	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	0	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85
STM32F412RGY6P	Cortex-M4	100	1024	256	WLCSP64	50	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	0	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85
STM32F412VET6	Cortex-M4	100	512	256	LQFP100	81	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	1	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85
STM32F412VEH6	Cortex-M4	100	512	256	UFBGA100	81	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	1	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85
STM32F412VGT6	Cortex-M4	100	1024	256	LQFP100	81	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	1	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85
STM32F412VGH6	Cortex-M4	100	1024	256	UFBGA100	81	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	1	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85
STM32F412ZET6	Cortex-M4	100	512	256	LQFP144	114	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	1	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85
STM32F412ZEH6	Cortex-M4	100	512	256	UFBGA144	114	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	1	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85
STM32F412ZGT6	Cortex-M4	100	1024	256	LQFP144	114	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	1	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85
STM32F412ZGH6	Cortex-M4	100	1024	256	UFBGA144	114	1.7-3.6	12	2	2	0	1	16	0	5	5	1[QUAD]	4	4	2	1	1	1	0	0	N/A	0	0	0	0	1	0	YES	N/A	N/A	85
STM32F413CGU6	Cortex-M4	100	1024	320	UFQFPN48	36	1.7-3.6	12	2	2	1	1	10	2	5	5	0	4	6	3	1	0	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F413CHU6	Cortex-M4	100	1536	320	UFQFPN48	36	1.7-3.6	12	2	2	1	1	10	2	5	5	0	4	6	3	1	0	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F413RGT6	Cortex-M4	100	1024	320	LQFP64	50	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	7	3	1	0	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F413RHT6	Cortex-M4	100	1536	320	LQFP64	50	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	7	3	1	0	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F413MGY6	Cortex-M4	100	1024	320	WLCSP81	60	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	7	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F413MHY6	Cortex-M4	100	1024	320	WLCSP81	60	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	7	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F413VGT6	Cortex-M4	100	1024	320	LQFP100	81	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	10	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F413VGJ6	Cortex-M4	100	1024	320	UFBGA100	81	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	10	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F413VHT6	Cortex-M4	100	1536	320	LQFP100	81	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	10	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F413VHJ6	Cortex-M4	100	1536	320	UFBGA100	81	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	10	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F413ZGT6	Cortex-M4	100	1024	320	LQFP144	114	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	10	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F413ZGJ6	Cortex-M4	100	1024	320	UFBGA144	114	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	10	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F413ZHT6	Cortex-M4	100	1536	320	LQFP144	114	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	10	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F413ZHJ6	Cortex-M4	100	1536	320	UFBGA144	114	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	10	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	N/A	N/A	85
STM32F423CHU6	Cortex-M4	100	1536	320	UFQFPN48	36	1.7-3.6	12	2	2	1	1	10	2	5	5	0	4	6	3	1	0	1	0	0	N/A	0	0	1	0	2	0	YES	YES	N/A	85
STM32F423RHT6	Cortex-M4	100	1536	320	LQFP64	50	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	7	3	1	0	1	0	0	N/A	0	0	1	0	2	0	YES	YES	N/A	85
STM32F423MHY6	Cortex-M4	100	1024	320	WLCSP81	60	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	7	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	YES	N/A	85
STM32F423VHT6	Cortex-M4	100	1536	320	WLCSP81	60	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	7	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	YES	N/A	85
STM32F423VHT6	Cortex-M4	100	1536	320	LQFP100	81	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	10	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	YES	N/A	85

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	D/SDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)		
STM32F423VHJ6	Cortex-M4	100	1536	320	UFBGA100	81	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	10	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	YES	N/A	85		
STM32F423ZHT6	Cortex-M4	100	1536	320	LQFP144	114	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	10	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	YES	N/A	85		
STM32F423ZHJ6	Cortex-M4	100	1536	320	UFBGA144	114	1.7-3.6	12	2	2	1	1	16	2	5	5	1[QUAD]	4	10	3	1	1	1	0	0	N/A	0	0	1	0	2	0	YES	YES	N/A	85		
STM32F405_415_407_417 Performance Line																																						
STM32F405RGT6	Cortex-M4	168	1024	192	LQFP64	51	1.8-3.6	12	2	2	0	3	16	2	3	2	0	3	6	2	1	0	1	1	0	N/A	0	0	0	0	0	0	YES	N/A	N/A	85		
STM32F405OGY6	Cortex-M4	168	1024	192	WLCSP90	72	1.8-3.6	12	2	2	0	3	13	2	3	2	0	3	6	2	1	1	1	1	0	N/A	0	0	0	0	0	0	YES	N/A	N/A	85		
STM32F4050EY6	Cortex-M4	168	512	192	WLCSP90	72	1.8-3.6	12	2	2	0	3	13	2	3	2	0	3	6	2	1	1	1	1	0	N/A	0	0	0	0	0	0	YES	N/A	N/A	85		
STM32F405VGT6	Cortex-M4	168	1024	192	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	3	2	0	3	6	2	1	1	1	1	0	N/A	0	0	0	0	0	0	YES	N/A	N/A	85		
STM32F405ZGT6	Cortex-M4	168	1024	192	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	0	N/A	0	0	0	0	0	0	YES	N/A	N/A	85		
STM32F415RGT6	Cortex-M4	168	1024	192	LQFP64	51	1.8-3.6	12	2	2	0	3	16	2	3	2	0	3	6	2	1	0	1	1	0	N/A	0	0	0	0	0	0	YES	YES	YES	85		
STM32F415OGY6	Cortex-M4	168	1024	192	WLCSP90	72	1.8-3.6	12	2	2	0	3	13	2	3	2	0	3	6	2	1	1	1	1	0	N/A	0	0	0	0	0	0	YES	YES	YES	85		
STM32F415VGT6	Cortex-M4	168	1024	192	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	3	2	0	3	6	2	1	1	1	1	0	N/A	0	0	0	0	0	0	YES	YES	YES	85		
STM32F415ZGT6	Cortex-M4	168	1024	192	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	0	N/A	0	0	0	0	0	0	YES	YES	YES	85		
STM32F407VET6	Cortex-M4	168	512	192	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	N/A	N/A	85		
STM32F407VGT6	Cortex-M4	168	1024	192	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	N/A	N/A	85		
STM32F407ZET6	Cortex-M4	168	512	192	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	N/A	N/A	85		

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)																																					
																																				STM32F407ZGT6	Cortex-M4	168	1024	192	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	N/A	N/A	85
																																				STM32F407IET6	Cortex-M4	168	512	192	LQFP176	140	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	N/A	N/A	85
																																				STM32F407IEH6	Cortex-M4	168	512	192	UFBGA176	140	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	N/A	N/A	85
																																				STM32F407IGT6	Cortex-M4	168	1024	192	LQFP176	140	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	N/A	N/A	85
																																				STM32F407IGH6	Cortex-M4	168	1024	192	UFBGA176	140	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	N/A	N/A	85
																																				STM32F417VET6	Cortex-M4	168	512	192	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	YES	YES	85
																																				STM32F417VGT6	Cortex-M4	168	1024	192	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	YES	YES	85
																																				STM32F417ZET6	Cortex-M4	168	512	192	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	YES	YES	85
																																				STM32F417ZGT6	Cortex-M4	168	1024	192	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	YES	YES	85
																																				STM32F417IET6	Cortex-M4	168	512	192	LQFP176	140	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	YES	YES	85
																																				STM32F417IEH6	Cortex-M4	168	512	192	UFBGA176	140	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	YES	YES	85
																																				STM32F417IGT6	Cortex-M4	168	1024	192	LQFP176	140	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	YES	YES	85
																																				STM32F417IGH6	Cortex-M4	168	1024	192	UFBGA176	140	1.8-3.6	12	2	2	0	3	24	2	3	2	0	3	6	2	1	1	1	1	1	N/A	0	0	0	0	0	1	YES	YES	YES	85
																																				STM32F427_437_429_439 Advanced Line																																				
																																				STM32F427VGT6	Cortex-M4	180	1024	256	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	4	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	N/A	N/A	85

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timers				ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
								Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer																									
STM32F427VIT6	Cortex-M4	180	2048	256	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	4	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	N/A	N/A	85
STM32F427ZGT6	Cortex-M4	180	1024	256	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	N/A	N/A	85
STM32F427ZIT6	Cortex-M4	180	2048	256	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	N/A	N/A	85
STM32F427AGH6	Cortex-M4	180	1024	256	UFBGA169	130	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	N/A	N/A	85
STM32F427AIH6	Cortex-M4	180	2048	256	UFBGA169	130	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	N/A	N/A	85
STM32F427IGT6	Cortex-M4	180	1024	256	LQFP176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	N/A	N/A	85
STM32F427IGH6	Cortex-M4	180	1024	256	UFBGA176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	N/A	N/A	85
STM32F427IIT6	Cortex-M4	180	2048	256	LQFP176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	N/A	N/A	85
STM32F427IIH6	Cortex-M4	180	2048	256	UFBGA176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	N/A	N/A	85
STM32F437VGT6	Cortex-M4	180	1024	256	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	4	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	YES	YES	85
STM32F437VIT6	Cortex-M4	180	2048	256	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	4	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	YES	YES	85
STM32F437ZGT6	Cortex-M4	180	1024	256	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	YES	YES	85
STM32F437ZIT6	Cortex-M4	180	2048	256	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	YES	YES	85
STM32F437AIH6	Cortex-M4	180	2048	256	UFBGA169	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	YES	YES	85
STM32F437IGT6	Cortex-M4	180	1024	256	LQFP176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	YES	YES	85

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Analog & Mixed-Signal										Digital & Interface										T° Max (°C)									
								Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD		MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	
STM32F437IGH6	Cortex-M4	180	1024	256	UFBGA176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	YES	YES	85
STM32F437IIT6	Cortex-M4	180	2048	256	LQFP176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	YES	YES	85	
STM32F437IIH6	Cortex-M4	180	2048	256	UFBGA176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	N/A	0	0	1	0	0	1	YES	YES	YES	85	
STM32F429VET6	Cortex-M4	180	512	256	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	4	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	N/A	N/A	85	
STM32F429VGT6	Cortex-M4	180	1024	256	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	4	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	N/A	N/A	85	
STM32F429VIT6	Cortex-M4	180	2048	256	LQFP100	82	1.8-3.6	12	2	2	0	3	16	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	N/A	N/A	85	
STM32F429ZET6	Cortex-M4	180	512	256	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	N/A	N/A	85	
STM32F429ZGT6	Cortex-M4	180	1024	256	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	N/A	N/A	85	
STM32F429ZIT6	Cortex-M4	180	2048	256	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	N/A	N/A	85	
STM32F429ZEY6	Cortex-M4	180	512	256	WLCSP143	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	N/A	N/A	85	
STM32F429ZGY6	Cortex-M4	180	1024	256	WLCSP143	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	N/A	N/A	85	
STM32F429ZIY6	Cortex-M4	180	2048	256	WLCSP143	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	N/A	N/A	85	
STM32F429AGH6	Cortex-M4	180	1024	256	UFBGA169	130	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	N/A	N/A	85	
STM32F429AIH6	Cortex-M4	180	2048	256	UFBGA169	130	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	N/A	N/A	85	
STM32F429IEH6	Cortex-M4	180	512	256	UFBGA176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	N/A	N/A	85	

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	D/SDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F439ZIT6	Cortex-M4	180	2048	256	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	YES	YES	85
STM32F439ZIY6	Cortex-M4	180	2048	256	WLCSP143	114	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	YES	YES	85
STM32F439IGT6	Cortex-M4	180	1024	256	LQFP176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	YES	YES	85
STM32F439IGH6	Cortex-M4	180	1024	256	UFBGA176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	YES	YES	85
STM32F439IIT6	Cortex-M4	180	2048	256	LQFP176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	YES	YES	85
STM32F439IIH6	Cortex-M4	180	2048	256	UFBGA176	140	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	YES	YES	85
STM32F439BGT6	Cortex-M4	180	1024	256	LQFP208	168	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	YES	YES	85
STM32F439BIT6	Cortex-M4	180	2048	256	LQFP208	168	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	YES	YES	85
STM32F439NGH6	Cortex-M4	180	1024	256	TFBGA216	168	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	YES	YES	85
STM32F439NIH6	Cortex-M4	180	2048	256	TFBGA216	168	1.8-3.6	12	2	2	0	3	24	2	6	2	0	3	8	2	1	1	1	1	1	YES	1	0	1	0	0	1	YES	YES	YES	85
STM32F446 Cost-Effective Line																																				
STM32F446MCY6	Cortex-M4	180	256	128	WLCSP81	63	1.8-3.6	12	2	2	0	3	14	2	4	3	1[QUAD]	4	6	2	1	0	1	1	0	N/A	0	0	2	1	0	1	N/A	N/A	N/A	85
STM32F446MEY6	Cortex-M4	180	512	128	WLCSP81	63	1.8-3.6	12	2	2	0	3	14	2	4	3	1[QUAD]	4	6	2	1	0	1	1	0	N/A	0	0	2	1	0	1	N/A	N/A	N/A	85
STM32F446RCT6	Cortex-M4	180	256	128	LQFP64	50	1.8-3.6	12	2	2	0	3	16	2	4	3	1[QUAD]	4	6	2	1	0	1	1	0	N/A	0	0	2	1	0	1	N/A	N/A	N/A	85
STM32F446RET6	Cortex-M4	180	512	128	LQFP64	50	1.8-3.6	12	2	2	0	3	16	2	4	3	1[QUAD]	4	6	2	1	0	1	1	0	N/A	0	0	2	1	0	1	N/A	N/A	N/A	85
STM32F446VCT6	Cortex-M4	180	256	128	LQFP100	81	1.8-3.6	12	2	2	0	3	16	2	4	3	1[QUAD]	4	6	2	1	0	1	1	0	N/A	0	0	2	1	0	1	N/A	N/A	N/A	85

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)		
STM32F446VET6	Cortex-M4	180	512	128	LQFP100	81	1.8-3.6	12	2	2	0	3	16	2	4	3	1[QUAD]	4	6	2	1	0	1	1	0	N/A	0	0	2	1	0	1	N/A	N/A	N/A	85		
STM32F446ZCT6	Cortex-M4	180	256	128	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	4	3	1[QUAD]	4	6	2	1	0	1	1	0	N/A	0	0	2	1	0	1	N/A	N/A	N/A	85		
STM32F446ZCH6	Cortex-M4	180	256	128	UFBGA144	114	1.8-3.6	12	2	2	0	3	24	2	4	3	1[QUAD]	4	6	2	1	0	1	1	0	N/A	0	0	2	1	0	1	N/A	N/A	N/A	85		
STM32F446ZCJ6	Cortex-M4	180	256	128	UFBGA144	114	1.8-3.6	12	2	2	0	3	24	2	4	3	1[QUAD]	4	6	2	1	0	1	1	0	N/A	0	0	2	1	0	1	N/A	N/A	N/A	85		
STM32F446ZET6	Cortex-M4	180	512	128	LQFP144	114	1.8-3.6	12	2	2	0	3	24	2	4	3	1[QUAD]	4	6	2	1	0	1	1	0	N/A	0	0	2	1	0	1	N/A	N/A	N/A	85		
STM32F446ZEH6	Cortex-M4	180	512	128	UFBGA144	114	1.8-3.6	12	2	2	0	3	24	2	4	3	1[QUAD]	4	6	2	1	0	1	1	0	N/A	0	0	2	1	0	1	N/A	N/A	N/A	85		
STM32F446ZEJ6	Cortex-M4	180	512	128	UFBGA144	114	1.8-3.6	12	2	2	0	3	24	2	4	3	1[QUAD]	4	6	2	1	0	1	1	0	N/A	0	0	2	1	0	1	N/A	N/A	N/A	85		
STM32F469_479 MIPI_DSI Graphic Line																																						
STM32F469VET6	Cortex-M4	180	1024	384	LQFP100	71	1.7-3.6	12	2	2	0	3	14	2	4	2	1[QUAD]	3	7	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	N/A	N/A	85		
STM32F469VGT6	Cortex-M4	180	1024	384	LQFP100	71	1.7-3.6	12	2	2	0	3	14	2	4	2	1[QUAD]	3	7	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	N/A	N/A	85		
STM32F469VIT6	Cortex-M4	180	1024	384	LQFP100	71	1.7-3.6	12	2	2	0	3	14	2	4	2	1[QUAD]	3	7	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	N/A	N/A	85		
STM32F469ZET6	Cortex-M4	180	1024	384	LQFP144	106	1.7-3.6	12	2	2	0	3	20	2	4	2	1[QUAD]	3	7	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	N/A	N/A	85		
STM32F469ZGT6	Cortex-M4	180	1024	384	LQFP144	106	1.7-3.6	12	2	2	0	3	20	2	4	2	1[QUAD]	3	7	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	N/A	N/A	85		
STM32F469ZIT6	Cortex-M4	180	1024	384	LQFP144	106	1.7-3.6	12	2	2	0	3	20	2	4	2	1[QUAD]	3	7	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	N/A	N/A	85		
STM32F469AEH6	Cortex-M4	180	512	384	UFBGA169	114	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	N/A	N/A	85		

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F469AGH6	Cortex-M4	180	1024	384	UFBGA169	114	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469AIH6	Cortex-M4	180	2048	384	UFBGA169	114	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469AEY6	Cortex-M4	180	512	384	WLCSP168	114	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469AGY6	Cortex-M4	180	1024	384	WLCSP168	114	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469AIY6	Cortex-M4	180	2048	384	WLCSP168	114	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469IET6	Cortex-M4	180	512	384	LQFP176	131	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469IEH6	Cortex-M4	180	512	384	UFBGA176	131	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469IGT6	Cortex-M4	180	1024	384	LQFP176	131	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469IGH6	Cortex-M4	180	1024	384	UFBGA176	131	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469IIT6	Cortex-M4	180	2048	384	LQFP176	131	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469IIH6	Cortex-M4	180	2048	384	UFBGA176	131	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469BET6	Cortex-M4	180	512	384	LQFP208	161	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469BGT6	Cortex-M4	180	1024	384	LQFP208	161	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469BIT6	Cortex-M4	180	2048	384	LQFP208	161	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469NEH6	Cortex-M4	180	512	384	TFBGA216	161	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	N/A	N/A	85

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

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F469NGH6	Cortex-M4	180	1024	384	TFBGA216	161	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F469NIH6	Cortex-M4	180	2048	384	TFBGA216	161	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	N/A	N/A	85
STM32F479AGH6	Cortex-M4	180	1024	384	UFBGA169	114	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	YES	YES	85
STM32F479AIH6	Cortex-M4	180	2048	384	UFBGA169	114	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	YES	YES	85
STM32F479AGY6	Cortex-M4	180	1024	384	WLCSP168	114	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	YES	YES	85
STM32F479AIY6	Cortex-M4	180	2048	384	WLCSP168	114	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	0	YES	1	1	1	0	0	1	YES	YES	YES	85
STM32F479IGT6	Cortex-M4	180	1024	384	LQFP176	131	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	YES	YES	85
STM32F479IGH6	Cortex-M4	180	1024	384	UFBGA176	131	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	YES	YES	85
STM32F479IIT6	Cortex-M4	180	2048	384	LQFP176	131	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	YES	YES	85
STM32F479IIH6	Cortex-M4	180	2048	384	UFBGA176	131	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	YES	YES	85
STM32F479BGT6	Cortex-M4	180	1024	384	LQFP208	161	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	YES	YES	85
STM32F479BIT6	Cortex-M4	180	2048	384	LQFP208	161	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	YES	YES	85
STM32F479NGH6	Cortex-M4	180	1024	384	TFBGA216	161	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	YES	YES	85
STM32F479NIH6	Cortex-M4	180	2048	384	TFBGA216	161	1.7-3.6	12	2	2	0	3	24	2	6	2	1[QUAD]	3	8	2	1	1	1	1	1	YES	1	1	1	0	0	1	YES	YES	YES	85

STM32 F2系列 – Arm® Cortex®-M3高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F205_215 Performance Line																													
STM32F205RBT6	Cortex-M3	120	128	64	LQFP64	51	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	0	1	1	0	0	YES	N/A	N/A	85	85
STM32F205RCT6	Cortex-M3	120	256	96	LQFP64	51	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	0	1	1	0	0	YES	N/A	N/A	85	85
STM32F205RET6	Cortex-M3	120	512	128	LQFP64	51	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	0	1	1	0	0	YES	N/A	N/A	85	85
STM32F205REY6	Cortex-M3	120	512	128	WLCSP66	51	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	0	1	1	0	0	YES	N/A	N/A	85	85
STM32F205RFT6	Cortex-M3	120	768	128	LQFP64	51	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	0	1	1	0	0	YES	N/A	N/A	85	85
STM32F205RGT6	Cortex-M3	120	1024	128	LQFP64	51	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	0	1	1	0	0	YES	N/A	N/A	85	85
STM32F205RGY6	Cortex-M3	120	1024	128	WLCSP66	51	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	0	1	1	0	0	YES	N/A	N/A	85	85
STM32F205VB6	Cortex-M3	120	128	64	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	1	1	1	0	0	YES	N/A	N/A	85	85
STM32F205VCT6	Cortex-M3	120	256	96	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	1	1	1	0	0	YES	N/A	N/A	85	85
STM32F205VET6	Cortex-M3	120	512	128	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	1	1	1	0	0	YES	N/A	N/A	85	85
STM32F205VFT6	Cortex-M3	120	768	128	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	1	1	1	0	0	YES	N/A	N/A	85	85
STM32F205VGT6	Cortex-M3	120	1024	128	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	1	1	1	0	0	YES	N/A	N/A	85	85
STM32F205ZCT6	Cortex-M3	120	256	96	LQFP144	114	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	0	0	YES	N/A	N/A	85	85
STM32F205ZET6	Cortex-M3	120	512	128	LQFP144	114	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	0	0	YES	N/A	N/A	85	85
STM32F205ZFT6	Cortex-M3	120	768	128	LQFP144	114	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	0	0	YES	N/A	N/A	85	85
STM32F205ZGT6	Cortex-M3	120	1024	128	LQFP144	114	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	0	0	YES	N/A	N/A	85	85
STM32F215RET6	Cortex-M3	120	512	128	LQFP64	51	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	0	1	1	0	0	YES	YES	YES	85	85
STM32F215RGT6	Cortex-M3	120	1024	128	LQFP64	51	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	0	1	1	0	0	YES	YES	YES	85	85
STM32F215VET6	Cortex-M3	120	512	128	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	1	1	1	0	0	YES	YES	YES	85	85

STM32 F2系列 – Arm® Cortex®-M3高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F215VGT6	Cortex-M3	120	1024	128	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	1	1	1	0	0	YES	YES	YES	85	85
STM32F215ZET6	Cortex-M3	120	512	128	LQFP144	114	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	0	0	YES	YES	YES	85	85
STM32F215ZGT6	Cortex-M3	120	1024	128	LQFP144	114	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	0	0	YES	YES	YES	85	85
STM32F207_217 Ethernet Line																													
STM32F207VCT6	Cortex-M3	120	256	128	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207VET6	Cortex-M3	120	512	128	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207VFT6	Cortex-M3	120	768	128	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207VGT6	Cortex-M3	120	1024	128	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207ZCT6	Cortex-M3	120	256	128	LQFP144	114	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207ZET6	Cortex-M3	120	512	128	LQFP144	114	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207ZFT6	Cortex-M3	120	768	128	LQFP144	114	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207ZGT6	Cortex-M3	120	1024	128	LQFP144	114	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207ICT6	Cortex-M3	120	256	128	LQFP176	140	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207IET6	Cortex-M3	120	512	128	LQFP176	140	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207IFT6	Cortex-M3	120	768	128	LQFP176	140	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207IGT6	Cortex-M3	120	1024	128	LQFP176	140	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207ICH6	Cortex-M3	120	256	128	UFBGA176	140	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207IEH6	Cortex-M3	120	512	128	UFBGA176	140	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207IFH6	Cortex-M3	120	768	128	UFBGA176	140	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85
STM32F207IGH6	Cortex-M3	120	1024	128	UFBGA176	140	1.8-3.6	12	2	2	3	24	2	3	2	3	6	2	1	1	1	1	1	1	YES	N/A	N/A	85	85

STM32 F2系列 – Arm® Cortex®-M3高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32F217VET6	Cortex-M3	120	512	128	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	2	6	2	1	1	1	1	1	1	YES	YES	YES	85	85
STM32F217VGT6	Cortex-M3	120	1024	128	LQFP100	82	1.8-3.6	12	2	2	3	16	2	3	2	2	6	2	1	1	1	1	1	1	YES	YES	YES	85	85
STM32F217ZET6	Cortex-M3	120	512	128	LQFP144	114	1.8-3.6	12	2	2	3	24	2	3	2	2	6	2	1	1	1	1	1	1	YES	YES	YES	85	85
STM32F217ZGT6	Cortex-M3	120	1024	128	LQFP144	114	1.8-3.6	12	2	2	3	24	2	3	2	2	6	2	1	1	1	1	1	1	YES	YES	YES	85	85
STM32F217IET6	Cortex-M3	120	512	128	LQFP176	140	1.8-3.6	12	2	2	3	24	2	3	2	2	6	2	1	1	1	1	1	1	YES	YES	YES	85	85
STM32F217IGT6	Cortex-M3	120	1024	128	LQFP176	140	1.8-3.6	12	2	2	3	24	2	3	2	2	6	2	1	1	1	1	1	1	YES	YES	YES	85	85
STM32F217IEH6	Cortex-M3	120	512	128	UFBGA176	140	1.8-3.6	12	2	2	3	24	2	3	2	2	6	2	1	1	1	1	1	1	YES	YES	YES	85	85
STM32F217IGH6	Cortex-M3	120	1024	128	UFBGA176	140	1.8-3.6	12	2	2	3	24	2	3	2	2	6	2	1	1	1	1	1	1	YES	YES	YES	85	85

STM32 U5系列 – Arm® Cortex®-M33超低功耗高性能安全MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Advanced Timer (16-bit)										ADC 12-bit Channels	ADC 14-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	GPU	SAI	DFSDM	DCMI	PSSI	MDF	ADF	Math Accelerator	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
								Timer (32-bit)	Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 14-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI																													
STM32U575CITx	Cortex-M33	160	2048	786	LQFP48	36	1.71-3.6	7	4	2	4	1	11	1	11	2	2	2	3	2[0CT0]	4	4	1	1[FD]	0	0	1	YES	1	1	1	YES	2	YES	YES	YES	YES	N/A	N/A	N/A	YES	125				
STM32U575CIUx	Cortex-M33	160	2048	786	UFQFPN48	36	1.71-3.6	7	4	2	4	1	11	1	11	2	2	2	3	2[0CT0]	4	4	1	1[FD]	0	0	1	YES	1	1	1	YES	2	YES	YES	YES	YES	N/A	N/A	N/A	YES	125				
STM32U575RITx	Cortex-M33	160	2048	786	LQFP64	50	1.71-3.6	7	4	2	4	1	17	1	17	2	2	2	3	2[0CT0]	4	5	1	1[FD]	2	0	1	YES	1	1	1	YES	6	YES	YES	YES	YES	N/A	N/A	N/A	YES	125				
STM32U575OIYx	Cortex-M33	160	2048	786	WLCSP90	69	1.71-3.6	7	4	2	4	1	16	1	16	2	2	2	3	2[0CT0]	4	5	1	1[FD]	2	1	1	YES	1	1	1	YES	6	YES	YES	YES	YES	N/A	N/A	N/A	YES	125				
STM32U575VITx	Cortex-M33	160	2048	786	LQFP100	81	1.71-3.6	7	4	2	4	1	20	1	20	2	2	2	3	2[0CT0]	4	5	1	1[FD]	2	1	1	YES	2	1	1	YES	6	YES	YES	YES	YES	N/A	N/A	N/A	YES	125				
STM32U575QIIx	Cortex-M33	160	2048	786	UFBGA132	109	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2[0CT0]	4	5	1	1[FD]	2	1	1	YES	2	1	1	YES	6	YES	YES	YES	YES	N/A	N/A	N/A	YES	125				
STM32U575ZITx	Cortex-M33	160	2048	786	LQFP144	113	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2[0CT0]	4	5	1	1[FD]	2	1	1	YES	2	1	1	YES	6	YES	YES	YES	YES	N/A	N/A	N/A	YES	125				
STM32U575AIIx	Cortex-M33	160	2048	786	UFBGA169	137	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2[0CT0]	4	5	1	1[FD]	2	1	1	YES	2	1	1	YES	6	YES	YES	YES	YES	N/A	N/A	N/A	YES	125				
STM32U585CITx	Cortex-M33	160	2048	786	LQFP48	36	1.71-3.6	7	4	2	4	1	11	1	11	2	2	2	3	2[0CT0]	4	4	1	1[FD]	0	0	1	YES	1	1	1	YES	2	YES	YES	YES	YES	YES	YES	YES	YES	YES	125			
STM32U585CIUx	Cortex-M33	160	2048	786	UFQFPN48	36	1.71-3.6	7	4	2	4	1	11	1	11	2	2	2	3	2[0CT0]	4	4	1	1[FD]	0	0	1	YES	1	1	1	YES	2	YES	YES	YES	YES	YES	YES	YES	YES	YES	125			
STM32U585RITx	Cortex-M33	160	2048	786	LQFP64	50	1.71-3.6	7	4	2	4	1	17	1	17	2	2	2	3	2[0CT0]	4	5	1	1[FD]	2	0	1	YES	1	1	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	YES	125			
STM32U585OIYx	Cortex-M33	160	2048	786	WLCSP90	69	1.71-3.6	7	4	2	4	1	16	1	16	2	2	2	3	2[0CT0]	4	5	1	1[FD]	2	1	1	YES	1	1	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	YES	125			
STM32U585VITx	Cortex-M33	160	2048	786	LQFP100	81	1.71-3.6	7	4	2	4	1	20	1	20	2	2	2	3	2[0CT0]	4	5	1	1[FD]	2	1	1	YES	2	1	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	YES	125			
STM32U585QIIx	Cortex-M33	160	2048	786	UFBGA132	109	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2[0CT0]	4	5	1	1[FD]	2	1	1	YES	2	1	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	YES	125			
STM32U585ZITx	Cortex-M33	160	2048	786	LQFP144	113	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2[0CT0]	4	5	1	1[FD]	2	1	1	YES	2	1	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	YES	125			
STM32U585AIIx	Cortex-M33	160	2048	786	UFBGA169	137	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2[0CT0]	4	5	1	1[FD]	2	1	1	YES	2	1	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	YES	125			

STM32 L5系列 – Arm® Cortex®-M33超低功耗高性能安全MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	SAI	DFSDM	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32L552 USB Device + CAN-FD Line																																	
STM32L552CCTx	Cortex-M33	110	256	256	LQFP48	38	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	5	1	1[FD]	0	0	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552CCUx	Cortex-M33	110	256	256	UFQFN48	38	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	5	1	1[FD]	0	0	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552CETx	Cortex-M33	110	512	256	LQFP48	38	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	5	1	1[FD]	0	0	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552CEUx	Cortex-M33	110	512	256	UFQFN48	38	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	5	1	1[FD]	0	0	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552CETxP	Cortex-M33	110	512	256	LQFP48	36	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	4	1	1[FD]	0	0	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552CEUxP	Cortex-M33	110	512	256	UFQFN48	36	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	4	1	1[FD]	0	0	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552RCTx	Cortex-M33	110	256	256	LQFP64	52	1.71-3.6	9	2	2	3	2	16	2	2	3	1[OCTO]	4	5	1	1[FD]	1	0	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552RETx	Cortex-M33	110	512	256	LQFP64	52	1.71-3.6	9	2	2	3	2	16	2	2	3	1[OCTO]	4	5	1	1[FD]	1	0	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552RETxP	Cortex-M33	110	512	256	LQFP64	50	1.71-3.6	9	2	2	3	2	16	2	2	3	1[OCTO]	4	5	1	1[FD]	0	0	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552RETxQ	Cortex-M33	110	512	256	LQFP64	47	1.71-3.6	9	2	2	3	2	15	2	2	3	1[OCTO]	4	5	1	1[FD]	1	0	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552MEYxP	Cortex-M33	110	512	256	WLCSP81	54	1.71-3.6	9	2	2	3	2	16	2	2	3	1[OCTO]	4	5	1	1[FD]	1	0	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552MEYxQ	Cortex-M33	110	512	256	WLCSP81	51	1.71-3.6	9	2	2	3	2	15	2	2	3	1[OCTO]	4	5	1	1[FD]	1	0	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552VETx	Cortex-M33	110	512	256	LQFP100	83	1.71-3.6	9	2	2	3	2	16	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552VCTxQ	Cortex-M33	110	512	256	LQFP100	79	1.71-3.6	9	2	2	3	2	14	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552VETxQ	Cortex-M33	110	512	256	LQFP100	79	1.71-3.6	9	2	2	3	2	14	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125

STM32 L5系列 – Arm® Cortex®-M33超低功耗高性能安全MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LP UART	CAN	SDIO	F(S)MC	USB Device	SAI	DFSDM	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32L552QElxP	Cortex-M33	110	512	256	UFBGA132	108	1.71-3.6	9	2	2	3	2	16	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552QCIXQ	Cortex-M33	110	256	256	UFBGA132	105	1.71-3.6	9	2	2	3	2	16	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552QElxQ	Cortex-M33	110	512	256	UFBGA132	105	1.71-3.6	9	2	2	3	2	16	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552ZETx	Cortex-M33	110	512	256	LQFP144	115	1.71-3.6	9	2	2	3	2	16	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552ZETxQ	Cortex-M33	110	512	256	LQFP144	111	1.71-3.6	9	2	2	3	2	14	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552ZCTxQ	Cortex-M33	110	256	256	LQFP144	111	1.71-3.6	9	2	2	3	2	14	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L562 USB Device + CAN-FD + AES Line																																	
STM32L562CETx	Cortex-M33	110	512	256	LQFP48	38	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	5	1	1[FD]	0	0	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562CEUx	Cortex-M33	110	512	256	UFQFN48	38	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	5	1	1[FD]	0	0	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562CETxP	Cortex-M33	110	512	256	LQFP48	36	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	4	1	1[FD]	0	0	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562CEUxP	Cortex-M33	110	512	256	UFQFN48	36	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	4	1	1[FD]	0	0	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562RETx	Cortex-M33	110	512	256	LQFP64	52	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	5	1	1[FD]	1	0	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562RETxP	Cortex-M33	110	512	256	LQFP64	50	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	5	1	1[FD]	0	0	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562RETxQ	Cortex-M33	110	512	256	LQFP64	47	1.71-3.6	9	2	2	3	2	9	2	2	3	1[OCTO]	4	5	1	1[FD]	1	0	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562MEYxP	Cortex-M33	110	512	256	WLCSP81	54	1.71-3.6	9	2	2	3	2	16	2	2	3	1[OCTO]	4	5	1	1[FD]	1	0	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562MEYxQ	Cortex-M33	110	512	256	WLCSP81	51	1.71-3.6	9	2	2	3	2	15	2	2	3	1[OCTO]	4	5	1	1[FD]	1	0	1	2	1	YES	YES	YES	YES	YES	YES	125

STM32 L5系列 – Arm® Cortex®-M33超低功耗高性能安全MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	SAI	DFSDM	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T Max (°C)	
																																	125	
																																	125	
																																	125	
																																	125	
																																	125	
																																	125	
																																	125	
STM32L562VETx	Cortex-M33	110	512	256	LQFP100	83	1.71-3.6	9	2	2	3	2	16	2	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562VETxQ	Cortex-M33	110	512	256	LQFP100	79	1.71-3.6	9	2	2	3	2	14	2	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562QElx	Cortex-M33	110	512	256	UFBGA132	110	1.71-3.6	9	2	2	3	2	16	2	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562QElxP	Cortex-M33	110	512	256	UFBGA132	108	1.71-3.6	9	2	2	3	2	16	2	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562QElxQ	Cortex-M33	110	512	256	UFBGA132	105	1.71-3.6	9	2	2	3	2	16	2	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562ZETx	Cortex-M33	110	512	256	LQFP144	115	1.71-3.6	9	2	2	3	2	16	2	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32L562ZETxQ	Cortex-M33	110	512	256	LQFP144	111	1.71-3.6	9	2	2	3	2	14	2	2	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	YES	YES	YES	YES	125

STM32 L4+系列 – Arm® Cortex®-M4超低功耗高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	GPU	TFT LCD	MIPI_DSI	SAI	DFSDM	DCMI	PSSI	TRNG	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32L4x5 USB OTG Line																																				
STM32L4P5CGTx	Cortex-M4	120	1024	320	LQFP48	38	1.71-3.6	9	2	2	2	2	10	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	0	N/A	YES	N/A	N/A	YES	125
STM32L4P5CGTxP	Cortex-M4	120	1024	320	LQFP48	36	1.71-3.6	9	2	2	2	2	10	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	0	N/A	YES	N/A	N/A	YES	125
STM32L4P5CGUx	Cortex-M4	120	1024	320	UFQFPN48	38	1.71-3.6	9	2	2	2	2	10	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	0	N/A	YES	N/A	N/A	YES	125
STM32L4P5CGUxP	Cortex-M4	120	1024	320	UFQFPN48	36	1.71-3.6	9	2	2	2	2	10	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	0	N/A	YES	N/A	N/A	YES	125
STM32L4P5CETx	Cortex-M4	120	512	320	LQFP48	38	1.71-3.6	9	2	2	2	2	10	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	0	N/A	YES	N/A	N/A	YES	125
STM32L4P5CEUx	Cortex-M4	120	512	320	UFQFPN48	38	1.71-3.6	9	2	2	2	2	10	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	0	N/A	YES	N/A	N/A	YES	125
STM32L4P5RGTx	Cortex-M4	120	1024	320	LQFP64	52	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5RGTxP	Cortex-M4	120	1024	320	LQFP64	50	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5RETx	Cortex-M4	120	512	320	LQFP64	52	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5VGTx	Cortex-M4	120	1024	320	LQFP100	83	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5VGTxP	Cortex-M4	120	1024	320	LQFP100	81	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5VGyX	Cortex-M4	120	1024	320	WLCSP100	81	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5VGyXP	Cortex-M4	120	1024	320	WLCSP100	79	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5VETx	Cortex-M4	120	512	320	LQFP100	83	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5VEyX	Cortex-M4	120	512	320	WLCSP100	81	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5QGlx	Cortex-M4	120	1024	320	UFBGA132	110	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5QGlxP	Cortex-M4	120	1024	320	UFBGA132	108	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5QEIx	Cortex-M4	120	512	320	UFBGA132	110	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5ZGTx	Cortex-M4	120	1024	320	LQFP144	115	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5ZGTxP	Cortex-M4	120	1024	320	LQFP144	113	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125

STM32 L4+系列 – Arm® Cortex®-M4超低功耗高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	GPU	TFT LCD	MIPI_DSI	SAI	DFSDM	DCMI	PSSI	TRNG	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32L4P5ZETx	Cortex-M4	120	512	320	LQFP144	115	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5AGIx	Cortex-M4	120	1024	320	UFBGA169	136	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5AGIxP	Cortex-M4	120	1024	320	UFBGA169	134	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5AEIx	Cortex-M4	120	512	320	UFBGA169	136	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4Q5CGTx	Cortex-M4	120	1024	320	LQFP48	38	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	0	N/A	YES	YES	YES	YES	125
STM32L4Q5CGTxP	Cortex-M4	120	1024	320	LQFP48	38	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	0	N/A	YES	YES	YES	YES	125
STM32L4Q5CGUx	Cortex-M4	120	1024	320	UFQFPN48	38	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	0	N/A	YES	YES	YES	YES	125
STM32L4Q5CGUxP	Cortex-M4	120	1024	320	UFQFPN48	38	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	0	N/A	YES	YES	YES	YES	125
STM32L4Q5RGTx	Cortex-M4	120	1024	320	LQFP64	52	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	1	YES	YES	YES	YES	YES	125
STM32L4Q5RGTxP	Cortex-M4	120	1024	320	LQFP64	52	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	0	1	YES	1	0	2	1	1	YES	YES	YES	YES	YES	125
STM32L4Q5VGTx	Cortex-M4	120	1024	320	LQFP100	83	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	YES	YES	YES	125
STM32L4Q5VGTxP	Cortex-M4	120	1024	320	LQFP100	83	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	YES	YES	YES	125
STM32L4Q5VGyX	Cortex-M4	120	1024	320	WLCSP100	81	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	YES	YES	YES	125
STM32L4Q5VGyXP	Cortex-M4	120	1024	320	WLCSP100	81	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	YES	YES	YES	125
STM32L4Q5QGIX	Cortex-M4	120	1024	320	UFBGA132	110	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	YES	YES	YES	125
STM32L4Q5QGIXP	Cortex-M4	120	1024	320	UFBGA132	110	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	YES	YES	YES	125
STM32L4Q5ZGTx	Cortex-M4	120	1024	320	LQFP144	115	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	YES	YES	YES	125
STM32L4Q5ZGTxP	Cortex-M4	120	1024	320	LQFP144	115	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	YES	YES	YES	125
STM32L4Q5AGIx	Cortex-M4	120	1024	320	UFBGA169	136	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	YES	YES	YES	125
STM32L4Q5AGIxP	Cortex-M4	120	1024	320	UFBGA169	136	1.71-3.6	9	2	2	2	2	16	2	2	3	2[0CT0]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	YES	YES	YES	125
STM32L4R5VGTx	Cortex-M4	120	1024	640	LQFP100	83	1.71-3.6	9	2	2	2	1	16	2	2	3	1[0CT0]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	N/A	N/A	125

STM32 L4+系列 – Arm® Cortex®-M4超低功耗高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	GPU	TFT LCD	MIPI_DSI	SAI	DFSDM	DCMI	PSSI	TRNG	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32L4R5VITx	Cortex-M4	120	2048	640	LQFP100	83	1.71-3.6	9	2	2	2	1	16	2	2	3	1[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4R5QGlx	Cortex-M4	120	1024	640	UFBGA132	110	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4R5QIlx	Cortex-M4	120	2048	640	UFBGA132	110	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4R5ZGTx	Cortex-M4	120	1024	640	LQFP144	115	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4R5ZITx	Cortex-M4	120	2048	640	LQFP144	115	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4R5ZITxP	Cortex-M4	120	2048	640	LQFP144	113	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4R5ZGYx	Cortex-M4	120	1024	640	WLCSP144	115	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4R5ZIYx	Cortex-M4	120	2048	640	WLCSP144	115	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4R5AGlx	Cortex-M4	120	1024	640	UFBGA169	140	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4R5Allx	Cortex-M4	120	2048	640	UFBGA169	140	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4S5VITx	Cortex-M4	120	2048	640	LQFP100	83	1.71-3.6	9	2	2	2	1	16	2	2	3	1[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	YES	YES	125
STM32L4S5QIlx	Cortex-M4	120	2048	640	UFBGA132	110	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	YES	YES	125
STM32L4S5ZITx	Cortex-M4	120	2048	640	LQFP144	115	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	YES	YES	125
STM32L4S5ZIYx	Cortex-M4	120	2048	640	WLCSP144	115	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	YES	YES	125
STM32L4S5Allx	Cortex-M4	120	2048	640	UFBGA169	140	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	0	2	1	1	N/A	YES	N/A	YES	YES	125
STM32L4x7 USB OTG + TFT Line																																				
STM32L4R7VITx	Cortex-M4	120	2048	640	LQFP100	83	1.71-3.6	9	2	2	2	1	16	2	2	3	1[OCTO]	4	5	1	1	1	1	1	YES	1	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4R7ZITx	Cortex-M4	120	2048	640	LQFP144	115	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4R7Allx	Cortex-M4	120	2048	640	UFBGA169	140	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	0	2	1	1	N/A	YES	N/A	N/A	N/A	125
STM32L4S7VITx	Cortex-M4	120	2048	640	LQFP100	83	1.71-3.6	9	2	2	2	1	16	2	2	3	1[OCTO]	4	5	1	1	1	1	1	YES	1	0	2	1	1	N/A	YES	N/A	YES	YES	125
STM32L4S7ZITx	Cortex-M4	120	2048	640	LQFP144	115	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	0	2	1	1	N/A	YES	N/A	YES	YES	125

STM32 L4+系列 – Arm® Cortex®-M4超低功耗高性能MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	GPU	TFT LCD	MIPI_DSI	SAI	DFSDM	DCMI	PSSI	TRNG	PKA	AES/DES	SHA/HMAC	T° Max (°C)		
																																				125		
STM32L4S7AIIx	Cortex-M4	120	2048	640	UFBGA169	140	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	0	2	1	1	N/A	YES	N/A	YES	YES	125		
STM32L4x9 USB OTG + TFT + MIPI-DSI Line																																						
STM32L4R9VGTx	Cortex-M4	120	1024	640	LQFP100	77	1.71-3.6	9	2	2	2	1	14	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	1	2	1	1	N/A	YES	N/A	N/A	N/A	125		
STM32L4R9VITx	Cortex-M4	120	2048	640	LQFP100	77	1.71-3.6	9	2	2	2	1	14	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	1	2	1	1	N/A	YES	N/A	N/A	N/A	125		
STM32L4R9ZGTx	Cortex-M4	120	1024	640	LQFP144	110	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	N/A	N/A	125		
STM32L4R9ZITx	Cortex-M4	120	2048	640	LQFP144	110	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	N/A	N/A	125		
STM32L4R9ZGJx	Cortex-M4	120	1024	640	UFBGA144	112	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	N/A	N/A	125		
STM32L4R9ZIJx	Cortex-M4	120	2048	640	UFBGA144	112	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	N/A	N/A	125		
STM32L4R9ZGYx	Cortex-M4	120	1024	640	WLCSP144	110	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	N/A	N/A	125		
STM32L4R9ZIYx	Cortex-M4	120	2048	640	WLCSP144	110	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	N/A	N/A	125		
STM32L4R9ZIYxP	Cortex-M4	120	2048	640	WLCSP144	108	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	N/A	N/A	125		
STM32L4R9AGIx	Cortex-M4	120	1024	640	UFBGA169	131	1.71-3.6	9	2	2	2	1	14	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	N/A	N/A	125		
STM32L4R9AIIx	Cortex-M4	120	2048	640	UFBGA169	131	1.71-3.6	9	2	2	2	1	14	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	N/A	N/A	125		
STM32L4S9VITx	Cortex-M4	120	2048	640	LQFP100	77	1.71-3.6	9	2	2	2	1	14	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	0	1	2	1	1	N/A	YES	N/A	YES	YES	125		
STM32L4S9ZITx	Cortex-M4	120	2048	640	LQFP144	112	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	YES	YES	125		
STM32L4S9ZIJx	Cortex-M4	120	2048	640	UFBGA144	112	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	YES	YES	125		
STM32L4S9ZIYx	Cortex-M4	120	2048	640	WLCSP144	112	1.71-3.6	9	2	2	2	1	16	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	YES	YES	125		
STM32L4S9AIIx	Cortex-M4	120	2048	640	UFBGA169	131	1.71-3.6	9	2	2	2	1	14	2	2	3	2[OCTO]	4	5	1	1	1	1	1	YES	1	1	2	1	1	N/A	YES	N/A	YES	YES	125		

STM32 L4系列 – Arm® Cortex®-M4超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(s)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Segment LCD	GPU	SAI	DSPDM	DCMI	SWPMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32L4x1 Access Line																																				
STM32L431KBUx	Cortex-M4	80	128	64	UFQFPN32	26	1.71-3.6	5	1	1	2	1	10	2	2	1	2	1[QUAD]	2	2	1	1	0	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431KCUx	Cortex-M4	80	256	64	UFQFPN32	26	1.71-3.6	5	1	1	2	1	10	2	2	1	2	1[QUAD]	2	2	1	1	0	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431CBTx	Cortex-M4	80	128	64	LQFP48	38	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431CCTx	Cortex-M4	80	256	64	LQFP48	38	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431CBUx	Cortex-M4	80	128	64	UFQFPN48	38	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431CCUx	Cortex-M4	80	256	64	UFQFPN48	38	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431CBYx	Cortex-M4	80	128	64	WLCSP49	39	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431CCYx	Cortex-M4	80	256	64	WLCSP49	39	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431RBTx	Cortex-M4	80	128	64	LQFP64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431RCTx	Cortex-M4	80	256	64	LQFP64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431RB1x	Cortex-M4	80	128	64	UFBGA64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431RC1x	Cortex-M4	80	256	64	UFBGA64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431RBYx	Cortex-M4	80	128	64	WLCSP64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431RCYx	Cortex-M4	80	256	64	WLCSP64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431VCTx	Cortex-M4	80	256	64	LQFP100	83	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L431VC1x	Cortex-M4	80	256	64	UFBGA100	83	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	0	0	0	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L451CCUx	Cortex-M4	80	256	160	UFQFPN48	38	1.71-3.6	5	1	1	2	1	10	1	2	1	3	1[QUAD]	4	4	1	1	0	0	0	0	0	N/A	1	1	0	0	YES	N/A	N/A	125
STM32L451CETx	Cortex-M4	80	512	160	LQFP48	38	1.71-3.6	5	1	1	2	1	10	1	2	1	3	1[QUAD]	4	4	1	1	0	0	0	0	0	N/A	1	1	0	0	YES	N/A	N/A	125
STM32L451CEUx	Cortex-M4	80	512	160	UFQFPN48	38	1.71-3.6	5	1	1	2	1	10	1	2	1	3	1[QUAD]	4	4	1	1	0	0	0	0	0	N/A	1	1	0	0	YES	N/A	N/A	125
STM32L451RCTx	Cortex-M4	80	256	160	LQFP64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	0	0	0	N/A	1	1	0	0	YES	N/A	N/A	125

STM32 L4系列 – Arm® Cortex®-M4超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(s)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Segment LCD	GPU	SAI	DFSDM	DCMI	SWPMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32L451RCIx	Cortex-M4	80	256	160	UFBGA64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	0	0	0	N/A	1	1	0	0	YES	N/A	N/A	125
STM32L451REYx	Cortex-M4	80	512	160	WLCSP64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	0	0	0	N/A	1	1	0	0	YES	N/A	N/A	125
STM32L451REIx	Cortex-M4	80	512	160	UFBGA64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	0	0	0	N/A	1	1	0	0	YES	N/A	N/A	125
STM32L451RETx	Cortex-M4	80	512	160	LQFP64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	0	0	0	N/A	1	1	0	0	YES	N/A	N/A	125
STM32L451VCTx	Cortex-M4	80	256	160	LQFP100	83	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	0	0	0	N/A	1	1	0	0	YES	N/A	N/A	125
STM32L451VCIx	Cortex-M4	80	256	160	UFBGA100	83	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	0	0	0	N/A	1	1	0	0	YES	N/A	N/A	125
STM32L451VETx	Cortex-M4	80	512	160	LQFP100	83	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	0	0	0	N/A	1	1	0	0	YES	N/A	N/A	125
STM32L451VEIx	Cortex-M4	80	512	160	UFBGA100	83	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	0	0	0	N/A	1	1	0	0	YES	N/A	N/A	125
STM32L471RETx	Cortex-M4	80	512	128	LQFP64	51	1.71-3.6	9	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	0	0	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L471RGTx	Cortex-M4	80	1024	128	LQFP64	51	1.71-3.6	9	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	0	0	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L471VETx	Cortex-M4	80	512	128	LQFP100	82	1.71-3.6	9	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	0	0	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L471VGTx	Cortex-M4	80	1024	128	LQFP100	82	1.71-3.6	9	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	0	0	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L471QEIx	Cortex-M4	80	512	128	UFBGA132	109	1.71-3.6	9	2	2	2	3	19	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	0	0	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L471QGix	Cortex-M4	80	1024	128	UFBGA132	109	1.71-3.6	9	2	2	2	3	19	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	0	0	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L471ZETx	Cortex-M4	80	512	128	LQFP144	114	1.71-3.6	9	2	2	2	3	24	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	0	0	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L471ZEJx	Cortex-M4	80	512	128	UFBGA144	114	1.71-3.6	9	2	2	2	3	24	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	0	0	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L471ZGTx	Cortex-M4	80	1024	128	LQFP144	114	1.71-3.6	9	2	2	2	3	24	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	0	0	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L471ZGJx	Cortex-M4	80	1024	128	UFBGA144	114	1.71-3.6	9	2	2	2	3	24	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	0	0	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L4x2 USB Device Line																																				
STM32L412K8Tx	Cortex-M4	80	64	40	LQFP32	26	1.71-3.6	4	1	1	2	2	10	0	1	1	1	0	2	2	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125

STM32 L4系列 – Arm® Cortex®-M4超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Segment LCD	GPU	SAI	DFSDM	DCMI	SWPMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32L412K8Ux	Cortex-M4	80	64	40	UFQFPN32	26	1.71-3.6	4	1	1	2	2	10	0	1	1	1	0	2	2	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412KBTx	Cortex-M4	80	128	40	LQFP32	26	1.71-3.6	4	1	1	2	2	10	0	1	1	1	1[QUAD]	2	2	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412KBUX	Cortex-M4	80	128	40	UFQFPN32	26	1.71-3.6	4	1	1	2	2	10	0	1	1	1	1[QUAD]	2	2	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412T8Yx	Cortex-M4	80	64	40	WLCSP36	30	1.71-3.6	4	1	1	2	2	10	0	1	1	1	1[QUAD]	2	2	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412TBYx	Cortex-M4	80	128	40	WLCSP36	30	1.71-3.6	4	1	1	2	2	10	0	1	1	1	1[QUAD]	2	2	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412TBYxP	Cortex-M4	80	128	40	WLCSP36	28	1.71-3.6	4	1	1	2	2	10	0	1	1	1	1[QUAD]	2	2	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412C8Tx	Cortex-M4	80	64	40	LQFP48	38	1.71-3.6	4	1	1	2	2	10	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412C8Ux	Cortex-M4	80	64	40	UFQFPN48	38	1.71-3.6	4	1	1	2	2	10	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412CBTx	Cortex-M4	80	128	40	LQFP48	38	1.71-3.6	4	1	1	2	2	10	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412CBTxP	Cortex-M4	80	128	40	LQFP48	36	1.71-3.6	4	1	1	2	2	10	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412CBUX	Cortex-M4	80	128	40	UFQFPN48	38	1.71-3.6	4	1	1	2	2	10	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412CBUXP	Cortex-M4	80	128	40	UFQFPN48	36	1.71-3.6	4	1	1	2	2	10	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412R8Tx	Cortex-M4	80	64	40	LQFP64	52	1.71-3.6	4	1	1	2	2	16	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412R8Ix	Cortex-M4	80	64	40	UFBGA64	52	1.71-3.6	4	1	1	2	2	16	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412RBTx	Cortex-M4	80	128	40	LQFP64	52	1.71-3.6	4	1	1	2	2	16	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412RBTxP	Cortex-M4	80	128	40	LQFP64	50	1.71-3.6	4	1	1	2	2	16	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412RBIX	Cortex-M4	80	128	40	UFBGA64	52	1.71-3.6	4	1	1	2	2	16	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L412RBIXP	Cortex-M4	80	128	40	UFBGA64	50	1.71-3.6	4	1	1	2	2	16	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	N/A	N/A	125
STM32L422KBTx	Cortex-M4	80	128	40	LQFP32	26	1.71-3.6	4	1	1	2	2	10	0	1	1	1	1[QUAD]	2	2	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	YES	N/A	125
STM32L422KBUX	Cortex-M4	80	128	40	UFQFPN32	26	1.71-3.6	4	1	1	2	2	10	0	1	1	1	1[QUAD]	2	2	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	YES	N/A	125
STM32L422TBYx	Cortex-M4	80	128	40	WLCSP36	30	1.71-3.6	4	1	1	2	2	10	0	1	1	1	1[QUAD]	2	2	1	0	0	0	1	0	0	N/A	0	0	0	0	YES	YES	N/A	125

STM32 L4系列 – Arm® Cortex®-M4超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Segment LCD	GPU	SAI	DFSDM	DCMI	SWPMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)	
STM32L422CBTx	Cortex-M4	80	128	40	LQFP48	26	1.71-3.6	4	1	1	2	2	10	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	0	YES	YES	N/A	125
STM32L422CBUx	Cortex-M4	80	128	40	UFQFPN48	26	1.71-3.6	4	1	1	2	2	10	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	0	YES	YES	N/A	125
STM32L422RBTx	Cortex-M4	80	128	40	LQFP64	26	1.71-3.6	4	1	1	2	2	16	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	0	YES	YES	N/A	125
STM32L422RBlx	Cortex-M4	80	128	40	UFBGA64	26	1.71-3.6	4	1	1	2	2	16	0	1	1	2	1[QUAD]	3	3	1	0	0	0	1	0	0	N/A	0	0	0	0	0	YES	YES	N/A	125
STM32L432KBUx	Cortex-M4	80	128	64	UFQFPN32	26	1.71-3.6	5	1	1	2	1	10	2	2	1	2	1[QUAD]	2	2	1	1	0	0	1	0	0	N/A	1	0	0	1	YES	N/A	N/A	125	
STM32L432KCUx	Cortex-M4	80	256	64	UFQFPN32	26	1.71-3.6	5	1	1	2	1	10	2	2	1	2	1[QUAD]	2	2	1	1	0	0	1	0	0	N/A	1	0	0	1	YES	N/A	N/A	125	
STM32L442KCUx	Cortex-M4	80	256	64	UFQFPN32	26	1.71-3.6	5	1	1	2	1	10	2	2	1	2	1[QUAD]	2	2	1	1	0	0	1	0	0	N/A	1	0	0	1	YES	YES	N/A	125	
STM32L452CCUx	Cortex-M4	80	256	160	UFQFPN48	38	1.71-3.6	5	1	1	2	1	10	1	2	1	3	1[QUAD]	4	4	1	1	0	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L452CETx	Cortex-M4	80	512	160	LQFP48	38	1.71-3.6	5	1	1	2	1	10	1	2	1	3	1[QUAD]	4	4	1	1	0	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L452CEUx	Cortex-M4	80	512	160	UFQFPN48	38	1.71-3.6	5	1	1	2	1	10	1	2	1	3	1[QUAD]	4	4	1	1	0	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L452RCTx	Cortex-M4	80	256	160	LQFP64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L452RCIx	Cortex-M4	80	256	160	UFBGA64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L452RETx	Cortex-M4	80	512	160	LQFP64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L452RETxP	Cortex-M4	80	512	160	LQFP64	50	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L452REIx	Cortex-M4	80	512	160	UFBGA64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L452REYx	Cortex-M4	80	512	160	WLCSP64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L452VCTx	Cortex-M4	80	256	160	LQFP100	83	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L452VCIx	Cortex-M4	80	256	160	UFBGA100	83	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L452VETx	Cortex-M4	80	512	160	LQFP100	83	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L452VEIx	Cortex-M4	80	512	160	UFBGA100	83	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	N/A	N/A	125	
STM32L462CETx	Cortex-M4	80	512	160	LQFP48	38	1.71-3.6	5	1	1	2	1	10	1	2	1	3	1[QUAD]	4	4	1	1	0	0	1	0	0	N/A	1	1	0	0	YES	YES	N/A	125	

STM32 L4系列 – Arm® Cortex®-M4超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(s)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Segment LCD	GPU	SAI	DFSDM	DCMI	SWPMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32L462CEUx	Cortex-M4	80	512	160	UFQFPN48	38	1.71-3.6	5	1	1	2	1	10	1	2	1	3	1[QUAD]	4	4	1	1	0	0	1	0	0	N/A	1	1	0	0	YES	YES	N/A	125
STM32L462RETx	Cortex-M4	80	512	160	LQFP64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	YES	N/A	125
STM32L462REIx	Cortex-M4	80	512	160	UFBGA64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	YES	N/A	125
STM32L462REYx	Cortex-M4	80	512	160	WLCSP64	52	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	YES	N/A	125
STM32L462VETx	Cortex-M4	80	512	160	LQFP100	83	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	YES	N/A	125
STM32L462VEIx	Cortex-M4	80	512	160	UFBGA100	83	1.71-3.6	5	1	1	2	1	16	1	2	1	3	1[QUAD]	4	4	1	1	1	0	1	0	0	N/A	1	1	0	0	YES	YES	N/A	125
STM32L4x3 USB Device + Segment LCD Line																																				
STM32L433CBTx	Cortex-M4	80	128	64	LQFP48	38	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	1	0	4x19	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L433CBUx	Cortex-M4	80	128	64	UFQFPN48	38	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	1	0	4x19	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L433CBYx	Cortex-M4	80	128	64	WLCSP49	39	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	1	0	4x19	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L433CCTx	Cortex-M4	80	256	64	LQFP48	38	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	1	0	4x19	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L433CCUx	Cortex-M4	80	256	64	UFQFPN48	38	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	1	0	4x19	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L433CCYx	Cortex-M4	80	256	64	WLCSP49	39	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	1	0	4x19	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L433RBTx	Cortex-M4	80	128	64	LQFP64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x32/ 8x28	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L433RBix	Cortex-M4	80	128	64	UFBGA64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x32/ 8x28	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L433RBYx	Cortex-M4	80	128	64	WLCSP64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x32/ 8x28	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L433RCTx	Cortex-M4	80	256	64	LQFP64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x32/ 8x28	N/A	1	0	0	1	YES	N/A	N/A	125
STM32L433RCTxP	Cortex-M4	80	256	64	LQFP64	50	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x32/ 8x28	N/A	1	0	0	1	YES	N/A	N/A	125

STM32 L4系列 – Arm® Cortex®-M4超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(s)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Segment LCD	GPU	SAI	DFSDM	DCMI	SWPMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)			
STM32L433RCIxx	Cortex-M4	80	256	64	UFBGA64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x32/8x28	N/A	1	0	0	1	YES	N/A	N/A	125		
STM32L433RCYxx	Cortex-M4	80	256	64	WLCSP64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x32/8x28	N/A	1	0	0	1	YES	N/A	N/A	125		
STM32L433VCTxx	Cortex-M4	80	256	64	LQFP100	83	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x44/8x40	N/A	1	0	0	1	YES	N/A	N/A	125		
STM32L433VCIxx	Cortex-M4	80	256	64	UFBGA100	83	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x44/8x40	N/A	1	0	0	1	YES	N/A	N/A	125		
STM32L443CCTxx	Cortex-M4	80	256	64	LQFP48	38	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	1	0	4x19	N/A	1	0	0	1	YES	YES	N/A	125		
STM32L443CCUxx	Cortex-M4	80	256	64	UFQFPN48	38	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	1	0	4x19	N/A	1	0	0	1	YES	YES	N/A	125		
STM32L443CCYxx	Cortex-M4	80	256	64	WLCSP49	39	1.71-3.6	5	1	1	2	1	10	2	2	1	3	1[QUAD]	3	3	1	1	0	0	1	0	4x19	N/A	1	0	0	1	YES	YES	N/A	125		
STM32L443RCTxx	Cortex-M4	80	256	64	LQFP64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x32/8x28	N/A	1	0	0	1	YES	YES	N/A	125		
STM32L443RCIxx	Cortex-M4	80	256	64	UFBGA64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x32/8x28	N/A	1	0	0	1	YES	YES	N/A	125		
STM32L443RCYxx	Cortex-M4	80	256	64	WLCSP64	52	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x32/8x28	N/A	1	0	0	1	YES	YES	N/A	125		
STM32L443VCTxx	Cortex-M4	80	256	64	LQFP100	83	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x44/8x40	N/A	1	0	0	1	YES	YES	N/A	125		
STM32L443VCIxx	Cortex-M4	80	256	64	UFBGA100	83	1.71-3.6	5	1	1	2	1	16	2	2	1	3	1[QUAD]	3	3	1	1	1	0	1	0	4x44/8x40	N/A	1	0	0	1	YES	YES	N/A	125		
STM32L4x5 USB OTG Line																																						
STM32L475RCTxx	Cortex-M4	80	256	128	LQFP64	51	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	0	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L475RETxx	Cortex-M4	80	512	128	LQFP64	51	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	0	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L475RGTxx	Cortex-M4	80	1024	128	LQFP64	51	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	0	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L475VCTxx	Cortex-M4	80	256	128	LQFP100	82	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	0	N/A	2	1	0	1	YES	N/A	N/A	125		

STM32 L4系列 – Arm® Cortex®-M4超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Segment LCD	GPU	SAI	DFSDM	DCMI	SWPMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)		
STM32L475VETx	Cortex-M4	80	512	128	LQFP100	82	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	0	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L475VGTx	Cortex-M4	80	1024	128	LQFP100	82	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	0	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L4x6 USB OTG + Segment LCD Line																																						
STM32L476RCTx	Cortex-M4	80	256	128	LQFP64	51	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	8x28/4x32	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L476RETx	Cortex-M4	80	512	128	LQFP64	51	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	8x28/4x32	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L476RGTx	Cortex-M4	80	1024	128	LQFP64	51	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	8x28/4x32	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L476JEYx	Cortex-M4	80	512	128	WLCSP72	57	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	8x28/4x32	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L476JGYx	Cortex-M4	80	1024	128	WLCSP72	57	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	8x28/4x32	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L476JGYxP	Cortex-M4	80	1024	128	WLCSP72	55	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	8x28/4x32	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L476MEYx	Cortex-M4	80	512	128	WLCSP81	65	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	8x30/4x32	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L476MGYx	Cortex-M4	80	1024	128	WLCSP81	65	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	8x30/4x32	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L476VCTx	Cortex-M4	80	256	128	LQFP100	82	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	8x40/4x44	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L476VETx	Cortex-M4	80	512	128	LQFP100	82	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	8x40/4x44	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L476VGTx	Cortex-M4	80	1024	128	LQFP100	82	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	8x40/4x44	N/A	2	1	0	1	YES	N/A	N/A	125		
STM32L476QElx	Cortex-M4	80	512	128	UFBGA132	109	1.71-3.6	11	2	2	2	3	19	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	8x40/4x44	N/A	2	1	0	1	YES	N/A	N/A	125		

STM32 L4系列 – Arm® Cortex®-M4超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Segment LCD	GPU	SAI	DFSDM	DCMI	SWPMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)	
STM32L476QGlx	Cortex-M4	80	1024	128	UFBGA132	109	1.71-3.6	11	2	2	2	3	19	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	8x40/4x44	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L476ZETx	Cortex-M4	80	512	128	LQFP144	114	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	8x40/4x44	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L476ZGTx	Cortex-M4	80	1024	128	LQFP144	114	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	8x40/4x44	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L476ZGTxP	Cortex-M4	80	1024	128	LQFP144	112	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	8x40/4x44	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L476ZGJx	Cortex-M4	80	1024	128	UFBGA144	114	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	8x40/4x44	N/A	2	1	0	1	YES	N/A	N/A	125
STM32L486RGTx	Cortex-M4	80	1024	128	LQFP64	51	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	8x28/4x32	N/A	2	1	0	1	YES	YES	N/A	125
STM32L486JGYx	Cortex-M4	80	1024	128	WLCSP72	57	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	0	0	1	8x28/4x32	N/A	2	1	0	1	YES	YES	N/A	125
STM32L486VGTx	Cortex-M4	80	1024	128	LQFP100	82	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	8x40/4x44	N/A	2	1	0	1	YES	YES	N/A	125
STM32L486QGlx	Cortex-M4	80	1024	128	UFBGA132	109	1.71-3.6	11	2	2	2	3	19	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	8x40/4x44	N/A	2	1	0	1	YES	YES	N/A	125
STM32L486ZGTx	Cortex-M4	80	1024	128	LQFP144	114	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	3	5	1	1	1	1	0	1	8x40/4x44	N/A	2	1	0	1	YES	YES	N/A	125
STM32L496RETx	Cortex-M4	80	512	320	LQFP64	52	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	0	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496RGTx	Cortex-M4	80	1024	320	LQFP64	52	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	0	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496RGTxP	Cortex-M4	80	1024	320	LQFP64	50	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	0	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496VETx	Cortex-M4	80	512	320	LQFP100	83	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125

STM32 L4系列 – Arm® Cortex®-M4超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Segment LCD	GPU	SAI	DFSDM	DCMI	SWPMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)	
STM32L496VGTx	Cortex-M4	80	1024	320	LQFP100	83	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496VGTxP	Cortex-M4	80	1024	320	LQFP100	81	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496VGyX	Cortex-M4	80	1024	320	WLCSP100	83	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496VGyXP	Cortex-M4	80	1024	320	WLCSP100	81	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496WEyX	Cortex-M4	80	512	320	WLCSP115	86	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496WGyXP	Cortex-M4	80	1024	320	WLCSP115	84	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496QEIX	Cortex-M4	80	512	320	UFBGA132	110	1.71-3.6	11	2	2	2	3	19	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496QGIX	Cortex-M4	80	1024	320	UFBGA132	110	1.71-3.6	11	2	2	2	3	19	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496QGIXP	Cortex-M4	80	1024	320	UFBGA132	108	1.71-3.6	11	2	2	2	3	19	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496ZETx	Cortex-M4	80	512	320	LQFP144	115	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496ZGTx	Cortex-M4	80	1024	320	LQFP144	115	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496ZGTxP	Cortex-M4	80	1024	320	LQFP144	113	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496AEIX	Cortex-M4	80	512	320	UFBGA169	136	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L496AGIX	Cortex-M4	80	1024	320	UFBGA169	136	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125

STM32 L4系列 – Arm® Cortex®-M4超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	DAC 12-bit Channels	COMP	OPAMP	SPI	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Segment LCD	GPU	SAI	DFSDM	DCMI	SWPMI	TRNG	AES/DES	SHA/HMAC	1° Max (°C)	
STM32L496AGlXP	Cortex-M4	80	1024	320	UFBGA169	134	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	N/A	N/A	125
STM32L4A6RGTx	Cortex-M4	80	1024	320	LQFP64	52	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	0	0	1	8x40/4x44	YES	2	1	1	1	YES	YES	YES	125
STM32L4A6RGTxP	Cortex-M4	80	1024	320	LQFP64	50	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	0	0	1	8x40/4x44	YES	2	1	1	1	YES	YES	YES	125
STM32L4A6VGTx	Cortex-M4	80	1024	320	LQFP100	83	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	YES	YES	125
STM32L4A6VGTxP	Cortex-M4	80	1024	320	LQFP100	81	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	YES	YES	125
STM32L4A6VGyX	Cortex-M4	80	1024	320	WLCSP100	83	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	YES	YES	125
STM32L4A6VGyXP	Cortex-M4	80	1024	320	WLCSP100	81	1.71-3.6	11	2	2	2	3	16	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	YES	YES	125
STM32L4A6QGlx	Cortex-M4	80	1024	320	UFBGA132	110	1.71-3.6	11	2	2	2	3	19	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	YES	YES	125
STM32L4A6QGlxP	Cortex-M4	80	1024	320	UFBGA132	108	1.71-3.6	11	2	2	2	3	19	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	YES	YES	125
STM32L4A6ZGTx	Cortex-M4	80	1024	320	LQFP144	115	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	YES	YES	125
STM32L4A6ZGTxP	Cortex-M4	80	1024	320	LQFP144	113	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	YES	YES	125
STM32L4A6AGlx	Cortex-M4	80	1024	320	UFBGA169	136	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	YES	YES	125
STM32L4A6AGlxP	Cortex-M4	80	1024	320	UFBGA169	136	1.71-3.6	11	2	2	2	3	24	2	2	2	3	1[QUAD]	4	5	1	2	1	1	0	1	8x40/4x44	YES	2	1	1	1	YES	YES	YES	125

STM32 L1系列 – Arm® Cortex®-M3超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	I2C	U(S)ART	SDIO	F(S)MC	USB Device	Segment LCD	AES/DES	T° Max (°C)
STM32L10x Value Line																									
STM32L100C6U6A	Cortex-M3	32	32	4	2	UFQFPN48	37	1.8-3.6	8	0	1	14	2	2	0	2	0	0	0	0	0	0	4x16	N/A	85
STM32L100R8T6A	Cortex-M3	32	64	8	2	LQFP64	51	1.8-3.6	8	0	1	20	2	2	0	2	0	2	3	0	0	1	4x32/8x28	N/A	85
STM32L100RBT6A	Cortex-M3	32	128	16	2	LQFP64	51	1.8-3.6	8	0	1	20	2	2	0	2	0	2	3	0	0	1	4x32/8x28	N/A	85
STM32L100RCT6	Cortex-M3	32	256	16	4	LQFP64	51	1.8-3.6	8	0	1	20	2	2	0	3	2	2	3	0	0	1	4x32/8x28	N/A	85
STM32L15x LCD Line																									
STM32L151C6T6A	Cortex-M3	32	32	16	4	LQFP48	37	1.65-3.6	8	0	1	14	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151C6U6A	Cortex-M3	32	32	16	4	UFQFPN48	37	1.65-3.6	8	0	1	14	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151C8T6A	Cortex-M3	32	64	32	4	LQFP48	37	1.65-3.6	8	0	1	14	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151C8U6A	Cortex-M3	32	64	32	4	UFQFPN48	37	1.65-3.6	8	0	1	14	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151CBT6A	Cortex-M3	32	128	32	4	LQFP48	37	1.65-3.6	8	0	1	14	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151CBU6A	Cortex-M3	32	128	32	4	UFQFPN48	37	1.65-3.6	8	0	1	14	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151R6T6A	Cortex-M3	32	32	16	4	LQFP64	51	1.65-3.6	8	0	1	20	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151R6H6A	Cortex-M3	32	32	16	4	TFBGA64	50	1.65-3.6	8	0	1	19	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151R8T6A	Cortex-M3	32	64	32	4	LQFP64	51	1.65-3.6	8	0	1	20	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151R8H6A	Cortex-M3	32	64	32	4	TFBGA64	50	1.65-3.6	8	0	1	19	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151RBTxA	Cortex-M3	32	128	32	4	LQFP64	51	1.65-3.6	8	0	1	20	2	2	0	2	0	2	3	0	0	1	0	N/A	105
STM32L151RBHxA	Cortex-M3	32	128	32	4	TFBGA64	50	1.65-3.6	8	0	1	19	2	2	0	2	0	2	3	0	0	1	0	N/A	105
STM32L151V8T6A	Cortex-M3	32	64	32	4	LQFP100	83	1.65-3.6	8	0	1	24	2	2	0	2	0	2	3	0	0	1	0	N/A	85

STM32 L1系列 – Arm® Cortex®-M3超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	I2C	U(S)ART	SDIO	F(S)MC	USB Device	Segment LCD	AES/DES	T° Max (°C)
STM32L151V8H6A	Cortex-M3	32	64	32	4	UFBGA100	83	1.65-3.6	8	0	1	24	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151VBT6A	Cortex-M3	32	128	32	4	LQFP100	83	1.65-3.6	8	0	1	24	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151VBH6A	Cortex-M3	32	128	32	4	UFBGA100	83	1.65-3.6	8	0	1	24	2	2	0	2	0	2	3	0	0	1	0	N/A	85
STM32L151CCTx	Cortex-M3	32	256	32	8	LQFP48	37	1.65-3.6	8	1	1	14	2	2	2	3	2	2	3	0	0	1	0	N/A	105
STM32L151CCUx	Cortex-M3	32	256	32	8	UFQFPN48	37	1.65-3.6	8	1	1	14	2	2	2	3	2	2	3	0	0	1	0	N/A	105
STM32L151UCYx	Cortex-M3	32	256	32	8	WLCSP63	51	1.65-3.6	8	1	1	21	2	2	2	3	2	2	3	0	0	1	0	N/A	105
STM32L151RCT6	Cortex-M3	32	256	32	8	LQFP64	51	1.65-3.6	8	1	1	21	2	2	2	3	2	2	3	0	0	1	0	N/A	85
STM32L151VCT6	Cortex-M3	32	256	32	8	LQFP100	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	3	0	0	1	0	N/A	85
STM32L151VCH6	Cortex-M3	32	256	32	8	UFBGA100	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	3	0	0	1	0	N/A	85
STM32L151QCH6	Cortex-M3	32	256	32	8	UFBGA132	109	1.65-3.6	8	1	1	40	2	2	2	3	2	2	3	0	0	1	0	N/A	85
STM32L151ZCT6	Cortex-M3	32	256	32	8	LQFP144	115	1.65-3.6	8	1	1	40	2	2	2	3	2	2	3	0	0	1	0	N/A	85
STM32L151RDTx	Cortex-M3	32	384	48	12	LQFP64	51	1.65-3.6	8	1	1	21	2	2	3	3	2	2	5	1	0	1	0	N/A	105
STM32L151RDYx	Cortex-M3	32	384	48	12	WLCSP64	51	1.65-3.6	8	1	1	21	2	2	3	3	2	2	5	1	0	1	0	N/A	105
STM32L151VDT6	Cortex-M3	32	384	48	12	LQFP100	83	1.65-3.6	8	1	1	25	2	2	3	3	2	2	5	1	1	1	0	N/A	85
STM32L151QDH6	Cortex-M3	32	384	48	12	UFBGA132	109	1.65-3.6	8	1	1	40	2	2	3	3	2	2	5	1	1	1	0	N/A	85
STM32L151ZDT6	Cortex-M3	32	384	48	12	LQFP144	115	1.65-3.6	8	1	1	40	2	2	3	3	2	2	5	1	1	1	0	N/A	85
STM32L151VDTxX	Cortex-M3	32	384	80	16	LQFP100	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	5	1	1	1	0	N/A	105
STM32L151VDYxX	Cortex-M3	32	384	80	16	WLCSP104	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	5	1	1	1	0	N/A	105
STM32L151RET6	Cortex-M3	32	512	80	16	LQFP64	51	1.65-3.6	8	1	1	21	2	2	2	3	2	2	5	0	0	1	0	N/A	85
STM32L151VETx	Cortex-M3	32	512	80	16	LQFP100	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	5	0	0	1	0	N/A	105

STM32 L1系列 – Arm® Cortex®-M3超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	I2C	U(S)ART	SDIO	F(S)MC	USB Device	Segment LCD	AES/DES	T° Max (°C)
STM32L151VEYx	Cortex-M3	32	512	80	16	WLCSP104	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	5	0	0	1	0	N/A	105
STM32L151QEH6	Cortex-M3	32	512	80	16	UFBGA132	109	1.65-3.6	8	1	1	40	2	2	2	3	2	2	5	0	0	1	0	N/A	85
STM32L151ZET6	Cortex-M3	32	512	80	16	LQFP144	115	1.65-3.6	8	1	1	40	2	2	2	3	2	2	5	0	0	1	0	N/A	85
STM32L152C6T6A	Cortex-M3	32	32	16	4	LQFP48	37	1.65-3.6	8	0	1	14	2	2	0	2	0	2	3	0	0	1	4x16	N/A	85
STM32L152C6U6A	Cortex-M3	32	32	16	4	UFQFPN48	37	1.65-3.6	8	0	1	14	2	2	0	2	0	2	3	0	0	1	4x16	N/A	85
STM32L152C8T6A	Cortex-M3	32	64	32	4	LQFP48	37	1.65-3.6	8	0	1	14	2	2	0	2	0	2	3	0	0	1	4x16	N/A	85
STM32L152C8U6A	Cortex-M3	32	64	32	4	UFQFPN48	37	1.65-3.6	8	0	1	14	2	2	0	2	0	2	3	0	0	1	4x16	N/A	85
STM32L152CBT6A	Cortex-M3	32	128	32	4	LQFP48	37	1.65-3.6	8	0	1	14	2	2	0	2	0	2	3	0	0	1	4x16	N/A	85
STM32L152CBU6A	Cortex-M3	32	128	32	4	UFQFPN48	37	1.65-3.6	8	0	1	14	2	2	0	2	0	2	3	0	0	1	4x16	N/A	85
STM32L152R6T6A	Cortex-M3	32	32	16	4	LQFP64	51	1.65-3.6	8	0	1	20	2	2	0	2	0	2	3	0	0	1	4x32/8x28	N/A	85
STM32L152R6H6A	Cortex-M3	32	32	16	4	TFBGA64	50	1.65-3.6	8	0	1	19	2	2	0	2	0	2	3	0	0	1	4x31/8x27	N/A	85
STM32L152R8T6A	Cortex-M3	32	64	32	4	LQFP64	51	1.65-3.6	8	0	1	20	2	2	0	2	0	2	3	0	0	1	4x32/8x28	N/A	85
STM32L152R8H6A	Cortex-M3	32	64	32	4	TFBGA64	50	1.65-3.6	8	0	1	19	2	2	0	2	0	2	3	0	0	1	4x31/8x27	N/A	85
STM32L152RBT6A	Cortex-M3	32	128	32	4	LQFP64	51	1.65-3.6	8	0	1	20	2	2	0	2	0	2	3	0	0	1	4x32/8x28	N/A	85
STM32L152RBH6A	Cortex-M3	32	128	32	4	TFBGA64	50	1.65-3.6	8	0	1	19	2	2	0	2	0	2	3	0	0	1	4x31/8x27	N/A	85
STM32L152V8T6A	Cortex-M3	32	64	32	4	LQFP100	83	1.65-3.6	8	0	1	24	2	2	0	2	0	2	3	0	0	1	4x44/8x40	N/A	85
STM32L152V8H6A	Cortex-M3	32	64	32	4	UFBGA100	83	1.65-3.6	8	0	1	24	2	2	0	2	0	2	3	0	0	1	4x44/8x40	N/A	85

STM32 L1系列 – Arm® Cortex®-M3超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	I2C	U(S)ART	SDIO	F(S)MC	USB Device	Segment LCD	AES/DES	T° Max (°C)
STM32L152VBT6A	Cortex-M3	32	128	32	4	LQFP100	83	1.65-3.6	8	0	1	24	2	2	0	2	0	2	3	0	0	1	4x44/8x40	N/A	85
STM32L152VBH6A	Cortex-M3	32	128	32	4	UFBGA100	83	1.65-3.6	8	0	1	24	2	2	0	2	0	2	3	0	0	1	4x44/8x40	N/A	85
STM32L152CCT6	Cortex-M3	32	256	32	8	LQFP48	37	1.65-3.6	8	1	1	14	2	2	2	3	2	2	3	0	0	1	4x18	N/A	85
STM32L152CCU6	Cortex-M3	32	256	32	8	UFQFPN48	37	1.65-3.6	8	1	1	14	2	2	2	3	2	2	3	0	0	1	4x18	N/A	85
STM32L152UCY6	Cortex-M3	32	256	32	8	WLCSP63	51	1.65-3.6	8	1	1	21	2	2	2	3	2	2	3	0	0	1	4x32/8x28	N/A	85
STM32L152RCT6	Cortex-M3	32	256	32	8	LQFP64	51	1.65-3.6	8	1	1	21	2	2	2	3	2	2	3	0	0	1	4x32/8x28	N/A	85
STM32L152VCT6	Cortex-M3	32	256	32	8	LQFP100	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	3	0	0	1	4x44/8x40	N/A	85
STM32L152VCH6	Cortex-M3	32	256	32	8	UFBGA100	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	3	0	0	1	4x44/8x40	N/A	85
STM32L152ZCT6	Cortex-M3	32	256	32	8	LQFP144	115	1.65-3.6	8	1	1	40	2	2	2	3	2	2	3	0	0	1	4x44/8x40	N/A	85
STM32L152QCH6	Cortex-M3	32	256	32	8	UFBGA132	109	1.65-3.6	8	1	1	40	2	2	2	3	2	2	3	0	0	1	4x44/8x40	N/A	85
STM32L152RDT6	Cortex-M3	32	384	48	12	LQFP64	51	1.65-3.6	8	1	1	21	2	2	3	3	2	2	5	1	0	1	4x32/8x28	N/A	85
STM32L152RDY6	Cortex-M3	32	384	48	12	WLCSP64	51	1.65-3.6	8	1	1	21	2	2	3	3	2	2	5	1	0	1	4x32/8x28	N/A	85
STM32L152VDT6	Cortex-M3	32	384	48	12	LQFP100	83	1.65-3.6	8	1	1	25	2	2	3	3	2	2	5	1	1	1	4x44/8x40	N/A	85
STM32L152QDH6	Cortex-M3	32	384	48	12	UFBGA132	109	1.65-3.6	8	1	1	40	2	2	3	3	2	2	5	1	1	1	4x44/8x40	N/A	85
STM32L152ZDT6	Cortex-M3	32	384	48	12	LQFP144	115	1.65-3.6	8	1	1	40	2	2	3	3	2	2	5	1	1	1	4x44/8x40	N/A	85
STM32L152VDT6X	Cortex-M3	32	384	80	16	LQFP100	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	5	1	1	1	4x44/8x40	N/A	85
STM32L152VDY6X	Cortex-M3	32	384	80	16	WLCSP104	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	5	1	1	1	4x44/8x40	N/A	85

STM32 L1系列 – Arm® Cortex®-M3超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	I2C	U(S)ART	SDIO	F(S)MC	USB Device	Segment LCD	AES/DES	T° Max (°C)
STM32L152RET6	Cortex-M3	32	512	80	16	LQFP64	51	1.65-3.6	8	1	1	21	2	2	2	3	2	2	5	0	0	1	4x32/8x28	N/A	85
STM32L152VET6	Cortex-M3	32	512	80	16	LQFP100	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	5	0	0	1	4x44/8x40	N/A	85
STM32L152VEY6	Cortex-M3	32	512	80	16	WLCSP104	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	5	0	0	1	4x44/8x40	N/A	85
STM32L152QEH6	Cortex-M3	32	512	80	16	UFBGA132	109	1.65-3.6	8	1	1	40	2	2	2	3	2	2	5	0	0	1	4x44/8x40	N/A	85
STM32L152ZET6	Cortex-M3	32	512	80	16	LQFP144	115	1.65-3.6	8	1	1	40	2	2	2	3	2	2	5	0	0	1	4x44/8x40	N/A	85
STM32L16x LCD + AES Line																									
STM32L162RCT6	Cortex-M3	32	256	32	8	LQFP64	51	1.65-3.6	8	1	1	21	2	2	2	3	2	2	3	0	0	1	4x32/8x28	YES	85
STM32L162VCT6	Cortex-M3	32	256	32	8	LQFP100	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	3	0	0	1	4x44/8x40	YES	85
STM32L162VCH6	Cortex-M3	32	256	32	8	UFBGA100	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	3	0	0	1	4x44/8x40	YES	85
STM32L162QCH6	Cortex-M3	32	256	32	8	UFBGA132	109	1.65-3.6	8	1	1	40	2	2	2	3	2	2	3	0	0	1	4x44/8x40	YES	85
STM32L162ZCT6	Cortex-M3	32	256	32	8	LQFP144	115	1.65-3.6	8	1	1	40	2	2	2	3	2	2	3	0	0	1	4x44/8x40	YES	85
STM32L162RDT6	Cortex-M3	32	384	48	12	LQFP64	51	1.65-3.6	8	1	1	21	2	2	3	3	2	2	5	1	0	1	4x32/8x28	YES	85
STM32L162RDY6	Cortex-M3	32	384	48	12	WLCSP64	51	1.65-3.6	8	1	1	21	2	2	3	3	2	2	5	1	0	1	4x32/8x28	YES	85
STM32L162VDT6	Cortex-M3	32	384	48	12	LQFP100	83	1.65-3.6	8	1	1	25	2	2	3	3	2	2	5	1	1	1	4x44/8x40	YES	85
STM32L162QDH6	Cortex-M3	32	384	48	12	UFBGA132	109	1.65-3.6	8	1	1	40	2	2	3	3	2	2	5	1	1	1	4x44/8x40	YES	85
STM32L162ZDT6	Cortex-M3	32	384	48	12	LQFP144	115	1.65-3.6	8	1	1	40	2	2	3	3	2	2	5	1	1	1	4x44/8x40	YES	85
STM32L162VDY6X	Cortex-M3	32	384	80	16	WLCSP104	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	5	0	0	1	4x44/8x40	YES	85

STM32 L1系列 – Arm® Cortex®-M3超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	I2C	U(S)ART	SDIO	F(S)MC	USB Device	Segment LCD	AES/DES	T° Max (°C)
STM32L162RET6	Cortex-M3	32	512	80	16	LQFP64	51	1.65-3.6	8	1	1	21	2	2	2	3	2	2	5	0	0	1	4x32/8x28	YES	85
STM32L162VET6	Cortex-M3	32	512	80	16	LQFP100	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	5	0	0	1	4x44/8x40	YES	85
STM32L162VEY6	Cortex-M3	32	512	80	16	WLCSP104	83	1.65-3.6	8	1	1	25	2	2	2	3	2	2	5	0	0	1	4x44/8x40	YES	85
STM32L162ZET6	Cortex-M3	32	512	80	16	LQFP144	115	1.65-3.6	8	1	1	40	2	2	2	3	2	2	5	0	0	1	4x44/8x40	YES	85

STM32 L0系列 – Arm® Cortex®-M0+超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Kbytes)	Package	IO	VDD	Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	USB Device	Segment LCD	TRNG	AES/DES	T° Max (°C)
STM32L0x0 Value Line																								
STM32L010F4P6	Cortex-M0+	32	16	2	128B	TSSOP20	16	1.8-3.6	2	1	1	7	0	0	1	0	1	1	1	0	0	N/A	N/A	85
STM32L010K4T6	Cortex-M0+	32	16	2	128B	LQFP32	26	1.8-3.6	2	1	1	10	0	0	1	0	1	1	1	0	0	N/A	N/A	85
STM32L010K8T6	Cortex-M0+	32	64	8	128B	LQFP32	25	1.8-3.6	2	1	1	10	0	0	1	0	1	1	0	0	0	N/A	N/A	85
STM32L010C6T6	Cortex-M0+	32	32	8	128B	LQFP48	38	1.8-3.6	2	1	1	10	0	0	1	0	1	1	1	0	0	N/A	N/A	85
STM32L010R8T6	Cortex-M0+	32	64	8	128B	LQFP64	51	1.8-3.6	2	1	1	16	0	0	1	1	1	1	1	0	0	N/A	N/A	85
STM32L010RBT6	Cortex-M0+	32	128	20	128B	LQFP64	51	1.8-3.6	3	1	1	16	0	0	1	1	1	1	1	0	0	N/A	N/A	85
STM32L0x1 Access Line																								
STM32L011D3Px	Cortex-M0+	32	8	2	512B	TSSOP14	11	1.65-3.6	2	1	1	4	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L011D4Px	Cortex-M0+	32	16	2	512B	TSSOP14	11	1.65-3.6	2	1	1	4	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L011F3Px	Cortex-M0+	32	8	2	512B	TSSOP20	16	1.65-3.6	2	1	1	9	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L011F3Ux	Cortex-M0+	32	8	2	512B	UFQFPN20	16	1.65-3.6	2	1	1	7	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L011F4Px	Cortex-M0+	32	16	2	512B	TSSOP20	16	1.65-3.6	2	1	1	9	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L011F4Ux	Cortex-M0+	32	16	2	512B	UFQFPN20	16	1.65-3.6	2	1	1	7	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L011E3Yx	Cortex-M0+	32	8	2	512B	WLCSP25	21	1.65-3.6	2	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L011E4Yx	Cortex-M0+	32	16	2	512B	WLCSP25	21	1.65-3.6	2	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L011G3Ux	Cortex-M0+	32	8	2	512B	UFQFPN28	24	1.65-3.6	2	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L011G4Ux	Cortex-M0+	32	16	2	512B	UFQFPN28	24	1.65-3.6	2	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L011K3Tx	Cortex-M0+	32	8	2	512B	LQFP32	26	1.65-3.6	2	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L011K3Ux	Cortex-M0+	32	8	2	512B	UFQFPN32	28	1.65-3.6	2	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125

STM32 L0系列 – Arm® Cortex®-M0+超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Kbytes)	Package	IO	VDD	Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	USB Device	Segment LCD	TRNG	AES/DES	T° Max (°C)
STM32L011K4Tx	Cortex-M0+	32	16	2	512B	LQFP32	26	1.65-3.6	2	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L011K4Ux	Cortex-M0+	32	16	2	512B	UFQFPN32	28	1.65-3.6	2	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L021D4Px	Cortex-M0+	32	16	2	512B	TSSOP14	11	1.65-3.6	2	1	1	4	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L021F4Px	Cortex-M0+	32	16	2	512B	TSSOP20	16	1.65-3.6	2	1	1	9	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L021F4Ux	Cortex-M0+	32	16	2	512B	UFQFPN20	16	1.65-3.6	2	1	1	7	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L021G4Ux	Cortex-M0+	32	16	2	512B	UFQFPN28	24	1.65-3.6	2	1	1	10	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L021K4Tx	Cortex-M0+	32	16	2	512B	LQFP32	26	1.65-3.6	2	1	1	10	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L021K4Ux	Cortex-M0+	32	16	2	512B	UFQFPN32	28	1.65-3.6	2	1	1	10	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L031F4Px	Cortex-M0+	32	16	8	1	TSSOP20	15	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L031F6Px	Cortex-M0+	32	32	8	1	TSSOP20	15	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L031E4Yx	Cortex-M0+	32	16	8	1	WLCSP25	20	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L031E6Yx	Cortex-M0+	32	32	8	1	WLCSP25	20	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L031G4Ux	Cortex-M0+	32	16	8	1	UFQFPN28	21	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L031G6Ux	Cortex-M0+	32	32	8	1	UFQFPN28	21	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L031K4Tx	Cortex-M0+	32	16	8	1	LQFP32	25	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L031K4Ux	Cortex-M0+	32	16	8	1	UFQFPN32	27	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L031K6Tx	Cortex-M0+	32	32	8	1	LQFP32	25	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L031K6Ux	Cortex-M0+	32	32	8	1	UFQFPN32	27	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L031C4Tx	Cortex-M0+	32	16	8	1	LQFP48	38	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125
STM32L031C6Tx	Cortex-M0+	32	32	8	1	LQFP48	38	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	N/A	125

STM32 L0系列 – Arm® Cortex®-M0+超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LP UART	USB Device	Segment LCD	TRNG	AES/DES	T° Max (°C)
STM32L041E6Yx	Cortex-M0+	32	32	8	1	WLCSP25	20	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L041F6Px	Cortex-M0+	32	32	8	1	TSSOP20	15	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L041G6Ux	Cortex-M0+	32	32	8	1	UFQFPN28	21	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L041K6Tx	Cortex-M0+	32	32	8	1	LQFP32	25	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L041K6Ux	Cortex-M0+	32	32	8	1	UFQFPN32	27	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L041C6Tx	Cortex-M0+	32	32	8	1	LQFP48	38	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L041C6Ux	Cortex-M0+	32	32	8	1	UFQFPN48	38	1.65-3.6	3	1	1	10	0	2	1	0	1	1	1	0	0	N/A	YES	125
STM32L051K6Tx	Cortex-M0+	32	32	8	2	LQFP32	25	1.65-3.6	4	1	1	10	0	2	1	0	1	2	0	0	0	N/A	N/A	125
STM32L051K6Ux	Cortex-M0+	32	32	8	2	UFQFPN32	27	1.65-3.6	4	1	1	10	0	2	1	0	1	2	0	0	0	N/A	N/A	125
STM32L051K8Tx	Cortex-M0+	32	64	8	2	LQFP32	25	1.65-3.6	4	1	1	10	0	2	1	0	1	2	0	0	0	N/A	N/A	125
STM32L051K8Ux	Cortex-M0+	32	64	8	2	UFQFPN32	27	1.65-3.6	4	1	1	10	0	2	1	0	1	2	0	0	0	N/A	N/A	125
STM32L051T6Yx	Cortex-M0+	32	32	8	2	WLCSP36	29	1.65-3.6	4	1	1	10	0	2	1	0	2	2	1	0	0	N/A	N/A	125
STM32L051T8Yx	Cortex-M0+	32	64	8	2	WLCSP36	29	1.65-3.6	4	1	1	10	0	2	1	0	2	2	1	0	0	N/A	N/A	125
STM32L051C6Tx	Cortex-M0+	32	32	8	2	LQFP48	37	1.65-3.6	4	1	1	10	0	2	2	1	2	2	1	0	0	N/A	N/A	125
STM32L051C6Ux	Cortex-M0+	32	32	8	2	UFQFPN48	37	1.65-3.6	4	1	1	10	0	2	2	1	2	2	1	0	0	N/A	N/A	125
STM32L051C8Tx	Cortex-M0+	32	64	8	2	LQFP48	37	1.65-3.6	4	1	1	10	0	2	2	1	2	2	1	0	0	N/A	N/A	125
STM32L051C8Ux	Cortex-M0+	32	64	8	2	UFQFPN48	37	1.65-3.6	4	1	1	10	0	2	2	1	2	2	1	0	0	N/A	N/A	125
STM32L051R6Tx	Cortex-M0+	32	32	8	2	LQFP64	51	1.65-3.6	4	1	1	16	0	2	2	1	2	2	1	0	0	N/A	N/A	125
STM32L051R6Hx	Cortex-M0+	32	32	8	2	TFBGA64	51	1.65-3.6	4	1	1	16	0	2	2	1	2	2	1	0	0	N/A	N/A	125
STM32L051R8Tx	Cortex-M0+	32	64	8	2	LQFP64	51	1.65-3.6	4	1	1	16	0	2	2	1	2	2	1	0	0	N/A	N/A	125
STM32L051R8Hx	Cortex-M0+	32	64	8	2	TFBGA64	51	1.65-3.6	4	1	1	16	0	2	2	1	2	2	1	0	0	N/A	N/A	125

STM32 L0系列 – Arm® Cortex®-M0+超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LP UART	USB Device	Segment LCD	TRNG	AES/DES	T° Max (°C)
STM32L071K8Ux	Cortex-M0+	32	64	20	3	UFQFPN32	23	1.65-3.6	6	1	1	10	0	2	1	0	2	3	1	0	0	N/A	N/A	125
STM32L071KBTx	Cortex-M0+	32	128	20	6	LQFP32	25	1.65-3.6	6	1	1	10	0	2	1	0	2	3	1	0	0	N/A	N/A	125
STM32L071KBUX	Cortex-M0+	32	128	20	6	UFQFPN32	23	1.65-3.6	6	1	1	10	0	2	1	0	2	3	1	0	0	N/A	N/A	125
STM32L071KZTx	Cortex-M0+	32	192	20	6	LQFP32	25	1.65-3.6	6	1	1	10	0	2	1	0	2	3	1	0	0	N/A	N/A	125
STM32L071KZUx	Cortex-M0+	32	192	20	6	UFQFPN32	23	1.65-3.6	6	1	1	10	0	2	1	0	2	3	1	0	0	N/A	N/A	125
STM32L071C8Tx	Cortex-M0+	32	64	20	3	LQFP48	37	1.65-3.6	6	1	1	13	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071CBTx	Cortex-M0+	32	128	20	6	LQFP48	37	1.65-3.6	6	1	1	13	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071CBYx	Cortex-M0+	32	128	20	6	WLCSP49	40	1.65-3.6	6	1	1	13	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071CZTx	Cortex-M0+	32	192	20	6	LQFP48	37	1.65-3.6	6	1	1	13	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071CZYx	Cortex-M0+	32	192	20	6	WLCSP49	40	1.65-3.6	6	1	1	13	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071RBTx	Cortex-M0+	32	128	20	6	LQFP64	51	1.65-3.6	6	1	1	16	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071RBHx	Cortex-M0+	32	128	20	6	TFBGA64	51	1.65-3.6	6	1	1	16	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071RZTx	Cortex-M0+	32	192	20	6	LQFP64	51	1.65-3.6	6	1	1	16	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071RZHx	Cortex-M0+	32	192	20	6	TFBGA64	51	1.65-3.6	6	1	1	16	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071V8Tx	Cortex-M0+	32	64	20	3	LQFP100	84	1.65-3.6	6	1	1	16	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071V8Ix	Cortex-M0+	32	64	20	3	UFBGA100	84	1.65-3.6	6	1	1	16	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071VBTx	Cortex-M0+	32	128	20	6	LQFP100	84	1.65-3.6	6	1	1	16	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071VBIX	Cortex-M0+	32	128	20	6	UFBGA100	84	1.65-3.6	6	1	1	16	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071VZTx	Cortex-M0+	32	192	20	6	LQFP100	84	1.65-3.6	6	1	1	16	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L071VZIx	Cortex-M0+	32	192	20	6	UFBGA100	84	1.65-3.6	6	1	1	16	0	2	2	1	3	4	1	0	0	N/A	N/A	125
STM32L081KZTx	Cortex-M0+	32	192	20	6	LQFP32	25	1.65-3.6	6	1	1	10	0	2	1	0	2	3	1	0	0	N/A	YES	125

STM32 L0系列 – Arm® Cortex®-M0+超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LP UART	USB Device	Segment LCD	TRNG	AES/DES	T° Max (°C)
STM32L081KZUx	Cortex-M0+	32	192	20	6	UFQFPN32	23	1.65-3.6	6	1	1	10	0	2	1	0	2	3	1	0	0	N/A	YES	125
STM32L081CBTx	Cortex-M0+	32	128	20	6	LQFP48	40	1.65-3.6	6	1	1	13	0	2	2	1	3	4	1	0	0	N/A	YES	125
STM32L081CBUx	Cortex-M0+	32	128	20	6	UFQFPN48	40	1.65-3.6	6	1	1	13	0	2	2	1	3	4	1	0	0	N/A	YES	125
STM32L081CZTx	Cortex-M0+	32	192	20	6	LQFP48	40	1.65-3.6	6	1	1	13	0	2	2	1	3	4	1	0	0	N/A	YES	125
STM32L081CZUx	Cortex-M0+	32	192	20	6	UFQFPN48	40	1.65-3.6	6	1	1	13	0	2	2	1	3	4	1	0	0	N/A	YES	125
STM32L0x2 USB crystal-less product Line																								
STM32L052K6Tx	Cortex-M0+	32	32	8	2	LQFP32	25	1.65-3.6	4	1	1	10	1	2	1	0	1	2	0	1	0	YES	N/A	125
STM32L052K6Ux	Cortex-M0+	32	32	8	2	UFQFPN32	27	1.65-3.6	4	1	1	10	1	2	1	0	1	2	0	1	0	YES	N/A	125
STM32L052K8Tx	Cortex-M0+	32	64	8	2	LQFP32	25	1.65-3.6	4	1	1	10	1	2	1	0	1	2	0	1	0	YES	N/A	125
STM32L052K8Ux	Cortex-M0+	32	64	8	2	UFQFPN32	27	1.65-3.6	4	1	1	10	1	2	1	0	1	2	0	1	0	YES	N/A	125
STM32L052T6Yx	Cortex-M0+	32	32	8	2	WLCSP36	29	1.65-3.6	4	1	1	10	1	2	1	0	2	2	1	1	0	YES	N/A	125
STM32L052T8Yx	Cortex-M0+	32	64	8	2	WLCSP36	29	1.65-3.6	4	1	1	10	1	2	1	1	2	2	1	1	0	YES	N/A	125
STM32L052C6Tx	Cortex-M0+	32	32	8	2	LQFP48	37	1.65-3.6	4	1	1	10	1	2	2	1	2	2	1	1	0	YES	N/A	125
STM32L052C8Tx	Cortex-M0+	32	64	8	2	LQFP48	37	1.65-3.6	4	1	1	10	1	2	2	1	2	2	1	1	0	YES	N/A	125
STM32L052R6Tx	Cortex-M0+	32	32	8	2	LQFP64	51	1.65-3.6	4	1	1	16	1	2	2	1	2	2	1	1	0	YES	N/A	125
STM32L052R6Hx	Cortex-M0+	32	32	8	2	TFBGA64	50	1.65-3.6	4	1	1	15	1	2	2	1	2	2	1	1	0	YES	N/A	125
STM32L052R8Tx	Cortex-M0+	32	64	8	2	LQFP64	51	1.65-3.6	4	1	1	16	1	2	2	1	2	2	1	1	0	YES	N/A	125
STM32L052R8Hx	Cortex-M0+	32	64	8	2	TFBGA64	50	1.65-3.6	4	1	1	15	1	2	2	1	2	2	1	1	0	YES	N/A	125
STM32L062K8Tx	Cortex-M0+	32	64	8	2	LQFP32	25	1.65-3.6	4	1	1	10	1	2	1	0	1	2	0	1	0	YES	YES	125
STM32L062K8Ux	Cortex-M0+	32	64	8	2	UFQFPN32	27	1.65-3.6	4	1	1	10	1	2	1	0	1	2	0	1	0	YES	YES	125
STM32L062T8Yx	Cortex-M0+	32	64	8	2	WLCSP36	29	1.65-3.6	4	1	1	10	1	2	1	0	2	2	1	1	0	YES	YES	125

STM32 L0系列 – Arm® Cortex®-M0+超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LP UART	USB Device	Segment LCD	TRNG	AES/DES	T° Max (°C)
STM32L062C8Ux	Cortex-M0+	32	64	8	2	UFQFPN48	37	1.65-3.6	4	1	1	10	1	2	1	0	2	2	1	1	0	YES	YES	125
STM32L072KBTx	Cortex-M0+	32	128	20	6	LQFP32	25	1.65-3.6	6	1	1	10	2	2	1	0	2	3	1	1	0	YES	N/A	125
STM32L072KBUX	Cortex-M0+	32	128	20	6	UFQFPN32	23	1.65-3.6	6	1	1	10	2	2	1	0	2	3	1	1	0	YES	N/A	125
STM32L072KZTx	Cortex-M0+	32	192	20	6	LQFP32	25	1.65-3.6	6	1	1	10	2	2	1	0	2	3	1	1	0	YES	N/A	125
STM32L072KZUx	Cortex-M0+	32	192	20	6	UFQFPN32	23	1.65-3.6	6	1	1	10	2	2	1	0	2	3	1	1	0	YES	N/A	125
STM32L072CBTx	Cortex-M0+	32	128	20	6	LQFP48	37	1.65-3.6	6	1	1	10	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072CBYx	Cortex-M0+	32	128	20	6	WLCSP49	40	1.65-3.6	6	1	1	13	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072CBUX	Cortex-M0+	32	128	20	6	UFQFPN48	40	1.65-3.6	6	1	1	13	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072CZTx	Cortex-M0+	32	192	20	6	LQFP48	37	1.65-3.6	6	1	1	10	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072CZYx	Cortex-M0+	32	192	20	6	WLCSP49	40	1.65-3.6	6	1	1	13	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072CZUx	Cortex-M0+	32	192	20	6	UFQFPN48	40	1.65-3.6	6	1	1	13	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072RBTx	Cortex-M0+	32	128	20	6	LQFP64	51	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072RBHx	Cortex-M0+	32	128	20	6	TFBGA64	50	1.65-3.6	6	1	1	15	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072RZTx	Cortex-M0+	32	192	20	6	LQFP64	51	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072RZHx	Cortex-M0+	32	192	20	6	TFBGA64	50	1.65-3.6	6	1	1	15	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072RZIx	Cortex-M0+	32	192	20	6	UFBGA64	51	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072V8Tx	Cortex-M0+	32	64	20	3	LQFP100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072V8Ix	Cortex-M0+	32	64	20	3	UFBGA100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072VBTx	Cortex-M0+	32	128	20	6	LQFP100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072VBIX	Cortex-M0+	32	128	20	6	UFBGA100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L072VZTx	Cortex-M0+	32	192	20	6	LQFP100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	0	YES	N/A	125

STM32 L0系列 – Arm® Cortex®-M0+超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	USB Device	Segment LCD	TRNG	AES/DES	T° Max (°C)
STM32L072VZIx	Cortex-M0+	32	192	20	6	UFBGA100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	0	YES	N/A	125
STM32L082KBTx	Cortex-M0+	32	128	20	6	LQFP32	25	1.65-3.6	6	1	1	10	2	2	1	0	2	3	1	1	0	YES	YES	125
STM32L082KBUX	Cortex-M0+	32	128	20	6	UFQFPN32	23	1.65-3.6	6	1	1	10	2	2	1	0	2	3	1	1	0	YES	YES	125
STM32L082KZTx	Cortex-M0+	32	192	20	6	LQFP32	25	1.65-3.6	6	1	1	10	2	2	1	0	2	3	1	1	0	YES	YES	125
STM32L082KZUx	Cortex-M0+	32	192	20	6	UFQFPN32	23	1.65-3.6	6	1	1	10	2	2	1	0	2	3	1	1	0	YES	YES	125
STM32L082CZYx	Cortex-M0+	32	192	20	6	WLCSP49	40	1.65-3.6	6	1	1	13	2	2	2	1	3	4	1	1	0	YES	YES	125
STM32L082CZUx	Cortex-M0+	32	192	20	6	UFQFPN48	40	1.65-3.6	6	1	1	13	2	2	2	1	3	4	1	1	0	YES	YES	125
STM32L0x3 USB + LCD Line																								
STM32L053C6Tx	Cortex-M0+	32	32	8	2	LQFP48	37	1.65-3.6	4	1	1	10	1	2	2	1	2	2	1	1	4x18	YES	N/A	125
STM32L053C6Ux	Cortex-M0+	32	32	8	2	UFQFPN48	37	1.65-3.6	4	1	1	10	1	2	2	1	2	2	1	1	4x18	YES	N/A	125
STM32L053C8Tx	Cortex-M0+	32	64	8	2	LQFP48	37	1.65-3.6	4	1	1	10	1	2	2	1	2	2	1	1	4x18	YES	N/A	125
STM32L053C8Ux	Cortex-M0+	32	64	8	2	UFQFPN48	37	1.65-3.6	4	1	1	10	1	2	2	1	2	2	1	1	4x18	YES	N/A	125
STM32L053R6Tx	Cortex-M0+	32	32	8	2	LQFP64	51	1.65-3.6	4	1	1	16	1	2	2	1	2	2	1	1	8x28/4x32	YES	N/A	125
STM32L053R6Hx	Cortex-M0+	32	32	8	2	TFBGA64	50	1.65-3.6	4	1	1	15	1	2	2	1	2	2	1	1	8x28/4x32	YES	N/A	125
STM32L053R8Tx	Cortex-M0+	32	64	8	2	LQFP64	51	1.65-3.6	4	1	1	16	1	2	2	1	2	2	1	1	8x28/4x32	YES	N/A	125
STM32L053R8Hx	Cortex-M0+	32	64	8	2	TFBGA64	50	1.65-3.6	4	1	1	15	1	2	2	1	2	2	1	1	8x28/4x32	YES	N/A	125
STM32L063C8Tx	Cortex-M0+	32	64	8	2	LQFP48	37	1.65-3.6	4	1	1	10	1	2	2	1	2	2	1	1	4x18	YES	YES	125
STM32L063C8Ux	Cortex-M0+	32	64	8	2	UFQFPN48	37	1.65-3.6	4	1	1	10	1	2	2	1	2	2	1	1	4x18	YES	YES	125

STM32 L0系列 – Arm® Cortex®-M0+超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Kbytes)	Package	I/O	VDD	Timer (16-bit)	LP Timer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LP UART	USB Device	Segment LCD	TRNG	AES/DES	T° Max (°C)
STM32L063R8Tx	Cortex-M0+	32	64	8	2	LQFP64	51	1.65-3.6	4	1	1	16	1	2	2	1	2	2	1	1	8x28/4x32	YES	YES	125
STM32L073CBTx	Cortex-M0+	32	128	20	6	LQFP48	37	1.65-3.6	6	1	1	10	2	2	2	1	3	4	1	1	4x18	YES	N/A	125
STM32L073CBUx	Cortex-M0+	32	128	20	6	UFQFPN48	37	1.65-3.6	6	1	1	10	2	2	2	1	3	4	1	1	4x18	YES	N/A	125
STM32L073CZTx	Cortex-M0+	32	192	20	6	LQFP48	37	1.65-3.6	6	1	1	10	2	2	2	1	3	4	1	1	4x18	YES	N/A	125
STM32L073CZUx	Cortex-M0+	32	192	20	6	UFQFPN48	37	1.65-3.6	6	1	1	10	2	2	2	1	3	4	1	1	4x18	YES	N/A	125
STM32L073CZYx	Cortex-M0+	32	192	20	6	WLCSP49	37	1.65-3.6	6	1	1	10	2	2	2	1	3	4	1	1	4x18	YES	N/A	125
STM32L073RBTx	Cortex-M0+	32	128	20	6	LQFP64	51	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x28/4x32	YES	N/A	125
STM32L073RBHx	Cortex-M0+	32	128	20	6	TFBGA64	50	1.65-3.6	6	1	1	15	2	2	2	1	3	4	1	1	8x28/4x32	YES	N/A	125
STM32L073RZTx	Cortex-M0+	32	192	20	6	LQFP64	51	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x28/4x32	YES	N/A	125
STM32L073RZHx	Cortex-M0+	32	192	20	6	TFBGA64	50	1.65-3.6	6	1	1	15	2	2	2	1	3	4	1	1	8x28/4x32	YES	N/A	125
STM32L073V8Tx	Cortex-M0+	32	64	20	3	LQFP100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x48/4x52	YES	N/A	125
STM32L073V8Ix	Cortex-M0+	32	64	20	3	UFBGA100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x48/4x52	YES	N/A	125
STM32L073VBTx	Cortex-M0+	32	128	20	6	LQFP100	84	1.65-3.6	6	1	1	15	2	2	2	1	3	4	1	1	8x48/4x52	YES	N/A	125
STM32L073VBIX	Cortex-M0+	32	128	20	6	UFBGA100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x48/4x52	YES	N/A	125
STM32L073VZTx	Cortex-M0+	32	192	20	6	LQFP100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x48/4x52	YES	N/A	125
STM32L073VZIx	Cortex-M0+	32	192	20	6	UFBGA100	84	1.65-3.6	6	1	1	15	2	2	2	1	3	4	1	1	8x48/4x52	YES	N/A	125

STM32 L0系列 – Arm® Cortex®-M0+超低功耗MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	EEPROM (Kbytes)	Package	IO	VDD	Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	USB Device	Segment LCD	TRNG	AES/DES	T° Max (°C)
STM32L083CBTx	Cortex-M0+	32	128	20	6	LQFP48	40	1.65-3.6	6	1	1	10	2	2	2	1	3	4	1	1	4x18	YES	YES	125
STM32L083CBUx	Cortex-M0+	32	128	20	6	UFQFPN48	40	1.65-3.6	6	1	1	10	2	2	2	1	3	4	1	1	4x18	YES	YES	125
STM32L083CZTx	Cortex-M0+	32	192	20	6	LQFP48	40	1.65-3.6	6	1	1	10	2	2	2	1	3	4	1	1	4x18	YES	YES	125
STM32L083CZUx	Cortex-M0+	32	192	20	6	UFQFPN48	40	1.65-3.6	6	1	1	10	2	2	2	1	3	4	1	1	4x18	YES	YES	125
STM32L083RBTx	Cortex-M0+	32	128	20	6	LQFP64	51	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x28/4x32	YES	YES	125
STM32L083RZTx	Cortex-M0+	32	192	20	6	LQFP64	51	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x28/4x32	YES	YES	125
STM32L083RZHx	Cortex-M0+	32	192	20	6	TFBGA64	51	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x28/4x32	YES	YES	125
STM32L083V8Tx	Cortex-M0+	32	64	20	3	LQFP100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x48/4x52	YES	YES	125
STM32L083V8Ix	Cortex-M0+	32	64	20	3	UFBGA100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x48/4x52	YES	YES	125
STM32L083VBTx	Cortex-M0+	32	128	20	6	LQFP100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x48/4x52	YES	YES	125
STM32L083VBIx	Cortex-M0+	32	128	20	6	UFBGA100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x48/4x52	YES	YES	125
STM32L083VZTx	Cortex-M0+	32	192	20	6	LQFP100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x48/4x52	YES	YES	125
STM32L083VZIx	Cortex-M0+	32	192	20	6	UFBGA100	84	1.65-3.6	6	1	1	16	2	2	2	1	3	4	1	1	8x48/4x52	YES	YES	125

STM32 WB系列 – Arm® Cortex®-M4和Cortex®-M0+双核无线MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Channels	COMP	SPI	M-SPI	I2C	U(S)ART	LPUART	USB Device	Segment LCD	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	RF	Protocol	RF Power	TRNG	PKA	AES/DES	T° Max (°C)				
STM32WBx5 Standard Line																																						
STM32WB15CCUx	M4 & M0+	64	320	48	0	UFQFPN48	30	1.71-3.6	3	1	1	2	1	13	1	1	0	1	1	1	0	0	0	0	0	0	0	N/A	2.4G	BLE5.3	5.5 dBm	YES	YES	YES	105			
STM32WB15CCUxE	M4 & M0+	64	320	48	0	UFQFPN48	37	1.71-3.6	3	1	1	2	1	13	1	1	0	1	1	1	0	0	0	0	0	0	0	N/A	2.4G	BLE5.3	5.5 dBm	YES	YES	YES	105			
STM32WB35CCUxA	M4 & M0+	64	256	96	0	UFQFPN48	30	1.71-3.6	3	1	1	2	1	13	2	1	1 [QUAD]	2	1	1	1	0	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105			
STM32WB35CEUxA	M4 & M0+	64	512	96	0	UFQFPN48	30	1.71-3.6	3	1	1	2	1	13	2	1	1 [QUAD]	2	1	1	1	0	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105			
STM32WB55CCUx	M4 & M0+	64	256	128	0	UFQFPN48	30	1.71-3.6	3	1	1	2	1	13	2	1	1 [QUAD]	2	1	1	1	4x13	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105			
STM32WB55CEUx	M4 & M0+	64	512	256	0	UFQFPN48	30	1.71-3.6	3	1	1	2	1	13	2	1	1 [QUAD]	2	1	1	1	4x13	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105			
STM32WB55CGUx	M4 & M0+	64	1024	256	0	UFQFPN48	30	1.71-3.6	3	1	1	2	1	13	2	1	1 [QUAD]	2	1	1	1	4x13	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105			
STM32WB55RCVx	M4 & M0+	64	256	128	0	VFQFPN68	49	1.71-3.6	3	1	1	2	1	19	2	2	1 [QUAD]	2	1	1	1	4x28	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105			
STM32WB55RGVx	M4 & M0+	64	512	256	0	VFQFPN68	49	1.71-3.6	3	1	1	2	1	19	2	2	1 [QUAD]	2	1	1	1	4x28	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105			

STM32 WB系列 – Arm® Cortex®-M4和Cortex®-M0+双核无线MCU

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Channels	COMP	SPI	M-SPI	I2C	U(S)ART	LPUART	USB Device	Segment LCD	SAI	SPDIFRX	DFSDM	DCMI	SWPMI	Math Accelerator	RF	Protocol	RF Power	TRNG	PKA	AES/DES	T° Max (°C)	
STM32WB55REVx	M4 & M0+	64	1024	256	0	VFQFPN68	49	1.71-3.6	3	1	1	2	1	19	2	2	1 [QUAD]	2	1	1	1	4x28	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105
STM32WB55VCQx	M4 & M0+	64	256	128	0	UFBGA129	72	1.71-3.6	3	1	1	2	1	19	2	2	1 [QUAD]	2	1	1	1	8x40/4x44	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105
STM32WB55VCYx	M4 & M0+	64	256	128	0	WLCSP100	72	1.71-3.6	3	1	1	2	1	19	2	2	1 [QUAD]	2	1	1	1	8x40/4x44	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105
STM32WB55VEQx	M4 & M0+	64	512	256	0	UFBGA129	72	1.71-3.6	3	1	1	2	1	19	2	2	1 [QUAD]	2	1	1	1	8x40/4x44	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105
STM32WB55VEYx	M4 & M0+	64	512	256	0	WLCSP100	72	1.71-3.6	3	1	1	2	1	19	2	2	1 [QUAD]	2	1	1	1	8x40/4x44	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105
STM32WB55VGQx	M4 & M0+	64	1024	256	0	UFBGA129	72	1.71-3.6	3	1	1	2	1	19	2	2	1 [QUAD]	2	1	1	1	8x40/4x44	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105
STM32WB55VGYx	M4 & M0+	64	1024	256	0	WLCSP100	72	1.71-3.6	3	1	1	2	1	19	2	2	1 [QUAD]	2	1	1	1	8x40/4x44	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	105
STM32WB55VYY6	M4 & M0+	64	640	256	0	WLCSP100	72	1.71-3.6	3	1	1	2	1	19	2	2	1 [QUAD]	2	1	1	1	8x40/4x44	1	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	6 dBm	YES	YES	YES	85

STM32 WB系列 – Arm® Cortex®-M4和Cortex®-M0+双核无线MCU

T° Max (°C)	AES/DES	PKA	TRNG	RF Power	Protocol	RF	Math Accelerator	SWPMI	DCMI	DFSDM	SPDIFRX	SAI	Segment LCD	USB Device	LPUART	U(S)ART	I2C	M-SPI	SPI	COMP	ADC 12-bit Channels	ADC 12-bit Units	LPTimer	Advanced Timer (16-bit)	Timer (32-bit)	Timer (16-bit)	VDD	IO	Package	E2PROM (Kbytes)	RAM (Kbytes)	Flash (Kbytes)	Frequency (MHz)	Core	Commercial Product Code			
STM32WBx0 Value Line																																						
85	YES	YES	YES	4dBm	BLE5.3	2.4G	N/A	0	0	0	0	0	0	0	0	0	1	0	1	1	0	13	1	2	1	1	3	2-3.6	30	UFQFPN48	0	48	320	64	M4 & M0+	STM32WB10CCU6		
85	YES	YES	YES	4dBm	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	2.4G	N/A	0	0	0	0	0	0	0	0	0	1	0	1	1	0	13	1	2	1	1	3	2-3.6	30	UFQFPN48	0	96	512	64	M4 & M0+	STM32WB30CEU6A		
85	YES	YES	YES	4dBm	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	2.4G	N/A	0	0	0	0	0	0	0	0	0	1	0	1	1	0	13	1	2	1	1	3	2-3.6	30	UFQFPN48	0	128	1024	64	M4 & M0+	STM32WB50CGU6		
STM32WB5M Module Line																																						
85	YES	YES	YES	6 dBm	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	2.4G	N/A	0	0	0	0	0	1	8x40	1	1	1	2	1	2	2	19	1	2	1	1	3	1.8-3.6	68	SiP-LGA 86	0	256	1024	64	M4 & M0+	STM32WB5MMGH6		

STM32 WL系列 – Arm® Cortex®-M4 / – Arm® Cortex®和Cortex®-M0+长距离无线SoC

T° Max (°C)	AES/DES	PKA	TRNG	Standard protocol	Modulations	PA	Radio Freq. Range (MHz)	RF	LPUART	U(S)ART	I2C	I2S	SPI	COMP	DAC 12-bit Channels	ADC 12-bit Units	LP Timer	Advanced Timer (16-bit) Timer (32-bit)	Timer (16-bit)	VDD	IO	Package	RAM (Kbytes)	Flash (Kbytes)	Frequency (MHz)	Core	Commercial Product Code	
STM32WL5x Dual-core Line ARM® Cortex® M4 + Cortex®-M0+																												
105	YES	YES	YES	sigfox M-Bus MIOTY ZETA	(G)FSK (G)MSK BPSK	HPA:22dBm LPA:15dBm	150 - 960	Sub-G	1	2	1	3	2	1	2	1	13	1	3	1	1	1	UFQFPN48	64	256	48 & 48	M4 & M0+	STM32WL54CCUx
105	YES	YES	YES	sigfox M-Bus MIOTY ZETA	(G)FSK (G)MSK BPSK	HPA:22dBm LPA:15dBm	150 - 960	Sub-G	1	2	1	3	2	1	2	1	16	1	3	1	1	1	UFBGA73	64	256	48 & 48	M4 & M0+	STM32WL54JC1x
105	YES	YES	YES	LoRaWAN® sigfox M-Bus MIOTY ZETA	LoRa® (G)FSK (G)MSK BPSK	HPA:22dBm LPA:15dBm	150 - 960	LoRa	1	2	1	3	2	1	2	1	13	1	3	1	1	1	UFQFPN48	64	256	48 & 48	M4 & M0+	STM32WL55CCUx
105	YES	YES	YES	LoRaWAN® sigfox M-Bus MIOTY ZETA	LoRa® (G)FSK (G)MSK BPSK	HPA:22dBm LPA:15dBm	150 - 960	LoRa	1	2	1	3	2	1	2	1	16	1	3	1	1	1	UFBGA73	64	256	48 & 48	M4 & M0+	STM32WL55JC1x
STM32WLEx Signle-core Line ARM® Cortex®- M4																												
105	YES	YES	YES	sigfox M-Bus MIOTY ZETA	(G)FSK (G)MSK BPSK	HPA:22dBm LPA:15dBm	150 - 960	Sub-G	1	2	1	3	2	1	2	1	13	1	3	1	1	1	UFQFPN48	64	256	48	Cortex-M4	STM32WLE4CCUx
105	YES	YES	YES	sigfox M-Bus MIOTY ZETA	(G)FSK (G)MSK BPSK	HPA:22dBm LPA:15dBm	150 - 960	Sub-G	1	2	1	3	2	1	2	1	16	1	3	1	1	1	UFBGA73	64	256	48	Cortex-M4	STM32WLE4JC1x
85	YES	YES	YES	LoRaWAN® sigfox M-Bus MIOTY ZETA	LoRa® (G)FSK (G)MSK BPSK	HPA:22dBm LPA:15dBm	150 - 960	LoRa	1	2	1	3	2	1	2	1	13	1	3	1	1	1	UFQFPN48	20	64	48	Cortex-M4	STM32WLE5C8U6

STM32 WL系列 – Arm® Cortex®-M4 / – Arm® Cortex®和Cortex®-M0+长距离无线SoC

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 12-bit Units	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(s)ART	LP UART	RF	Radio Freq. Range (MHz)	PA	Modulations	Standard protocol	TRNG	PKA	AES/DES	T° Max (°C)	
STM32WLE5CUB6	Cortex-M4	48	128	48	UFQFPN48	29	1.8-3.6	3	1	1	3	1	13	1	2	2	1	3	2	1	LoRa	150 - 960	HPA:22dBm LPA:15dBm	LoRa® (G)FSK (G)MSK BPSK	LoRaWAN® sigfox M-Bus MIOTY ZETA	YES	YES	YES	85
STM32WLE5CCUx	Cortex-M4	48	256	64	UFQFPN48	29	1.8-3.6	3	1	1	3	1	13	1	2	2	1	3	2	1	LoRa	150 - 960	HPA:22dBm LPA:15dBm	LoRa® (G)FSK (G)MSK BPSK	LoRaWAN® sigfox M-Bus MIOTY ZETA	YES	YES	YES	105
STM32WLE5J8I6	Cortex-M4	48	64	20	UFBGA73	43	1.8-3.6	3	1	1	3	1	16	1	2	2	1	3	2	1	LoRa	150 - 960	HPA:22dBm LPA:15dBm	LoRa® (G)FSK (G)MSK BPSK	LoRaWAN® sigfox M-Bus MIOTY ZETA	YES	YES	YES	85
STM32WLE5JBI6	Cortex-M4	48	128	48	UFBGA73	43	1.8-3.6	3	1	1	3	1	16	1	2	2	1	3	2	1	LoRa	150 - 960	HPA:22dBm LPA:15dBm	LoRa® (G)FSK (G)MSK BPSK	LoRaWAN® sigfox M-Bus MIOTY ZETA	YES	YES	YES	85
STM32WLE5JC1x	Cortex-M4	48	256	64	UFBGA73	43	1.8-3.6	3	1	1	3	1	16	1	2	2	1	3	2	1	LoRa	150 - 960	HPA:22dBm LPA:15dBm	LoRa® (G)FSK (G)MSK BPSK	LoRaWAN® sigfox M-Bus MIOTY ZETA	YES	YES	YES	105

Note:

1. STM32WL support LoRa®, (G)FSK, (G)MSK and BPSK
2. STM32WL5x = dual core ; STM32WLEx = single core
3. STM32WLx5 = all modulations available ; STM32WLx4 = all modulations available except LoRa®

STM32 MP1系列 – 双核Arm® Cortex®-A7和Arm® Cortex®-M4高超性能MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	Timer (32-bit)	LP Timer	ADC 16-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS Host/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32MP151 ARM® Cortex® -A7 + Cortex® -M4 Access Line																																				
STM32MP151AAD3	A7 & M4	650 & 209	708	TFBGA257	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	N/A	YES	125[Tj]
STM32MP151AAB3	A7 & M4	650 & 209	708	LFBGA354	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	N/A	YES	125[Tj]
STM32MP151AAC3	A7 & M4	650 & 209	708	TFBGA361	148	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	N/A	YES	125[Tj]
STM32MP151AAA3	A7 & M4	650 & 209	708	LFBGA448	176	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	N/A	YES	125[Tj]
STM32MP151CAD3	A7 & M4	650 & 209	708	TFBGA257	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	YES	YES	125[Tj]
STM32MP151CAB3	A7 & M4	650 & 209	708	LFBGA354	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	YES	YES	125[Tj]
STM32MP151CAC3	A7 & M4	650 & 209	708	TFBGA361	148	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	YES	YES	125[Tj]
STM32MP151CAA3	A7 & M4	650 & 209	708	LFBGA448	176	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	YES	YES	125[Tj]
STM32MP151DAD1	A7 & M4	800 & 209	708	TFBGA257	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	N/A	YES	105[Tj]
STM32MP151DAB1	A7 & M4	800 & 209	708	LFBGA354	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	N/A	YES	105[Tj]
STM32MP151DAC1	A7 & M4	800 & 209	708	TFBGA361	148	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	N/A	YES	105[Tj]

STM32 MP1系列 – 双核Arm® Cortex®-A7和Arm® Cortex®-M4高超性能MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	Timer (32-bit)	LP Timer	ADC 16-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS Host/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32MP151DAA1	A7 & M4	800 & 209	708	LFBGA448	176	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	N/A	YES	105[TJ]
STM32MP151FAD1	A7 & M4	800 & 209	708	TFBGA257	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	YES	YES	105[TJ]
STM32MP151FAB1	A7 & M4	800 & 209	708	LFBGA354	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	YES	YES	105[TJ]
STM32MP151FAC1	A7 & M4	800 & 209	708	TFBGA361	148	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	YES	YES	105[TJ]
STM32MP151FAA1	A7 & M4	800 & 209	708	LFBGA448	176	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	0	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	YES	YES	105[TJ]
STM32MP153 Performance Line Dual ARM® Cortex® -A7 + Cortex® -M4 + FDCAN																																				
STM32MP153AAD3	Dual A7 & M4	650 & 209	708	TFBGA257	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	N/A	YES	125[TJ]
STM32MP153AAB3	Dual A7 & M4	650 & 209	708	LFBGA354	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	N/A	YES	125[TJ]
STM32MP153AAC3	Dual A7 & M4	650 & 209	708	TFBGA361	148	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	N/A	YES	125[TJ]
STM32MP153AAA3	Dual A7 & M4	650 & 209	708	LFBGA448	176	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	N/A	YES	125[TJ]
STM32MP153CAD3	Dual A7 & M4	650 & 209	708	TFBGA257	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	YES	YES	125[TJ]
STM32MP153CAB3	Dual A7 & M4	650 & 209	708	LFBGA354	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	YES	YES	125[TJ]

STM32 MP1系列 – 双核Arm® Cortex®-A7和Arm® Cortex®-M4高超性能MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	Timer (32-bit)	LP Timer	ADC 16-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS Host/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32MP153CAC3	Dual A7 & M4	650 & 209	708	TFBGA361	148	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	YES	YES	125[TJ]
STM32MP153CAA3	Dual A7 & M4	650 & 209	708	LFBGA448	176	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	YES	YES	125[TJ]
STM32MP153DAD1	Dual A7 & M4	800 & 209	708	TFBGA257	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	N/A	YES	105[TJ]
STM32MP153DAB1	Dual A7 & M4	800 & 209	708	LFBGA354	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	N/A	YES	105[TJ]
STM32MP153DAC1	Dual A7 & M4	800 & 209	708	TFBGA361	148	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	N/A	YES	105[TJ]
STM32MP153DAA1	Dual A7 & M4	800 & 209	708	LFBGA448	176	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	N/A	YES	105[TJ]
STM32MP153FAD1	Dual A7 & M4	800 & 209	708	TFBGA257	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	YES	YES	105[TJ]
STM32MP153FAB1	Dual A7 & M4	800 & 209	708	LFBGA354	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	N/A	1	0	4	1	8	1	YES	YES	YES	105[TJ]
STM32MP153FAC1	Dual A7 & M4	800 & 209	708	TFBGA361	148	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	YES	YES	105[TJ]
STM32MP153FAA1	Dual A7 & M4	800 & 209	708	LFBGA448	176	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	N/A	1	0	4	1	8	1	YES	YES	YES	105[TJ]
STM32MP157 Dual ARM® Cortex® -A7 + Cortex® -M4 + 3D GPU + DSI + CAN FD																																				
STM32MP157AAD3	Dual A7 & M4	650 & 209	708	TFBGA257	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	YES	1	1	4	1	8	1	YES	N/A	YES	125[TJ]

STM32 MP1系列 – 双核Arm® Cortex®-A7和Arm® Cortex®-M4高超性能MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 16-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS Host/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32MP157AAB3	Dual A7 & M4	650 & 209	708	LFBGA354	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	YES	1	1	4	1	8	1	YES	N/A	YES	125[Tj]
STM32MP157AAC3	Dual A7 & M4	650 & 209	708	TFBGA361	148	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	YES	1	1	4	1	8	1	YES	N/A	YES	125[Tj]
STM32MP157AAA3	Dual A7 & M4	650 & 209	708	LFBGA448	176	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	YES	1	1	4	1	8	1	YES	N/A	YES	125[Tj]
STM32MP157CAD3	Dual A7 & M4	650 & 209	708	TFBGA257	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	YES	1	1	4	1	8	1	YES	YES	YES	125[Tj]
STM32MP157CAB3	Dual A7 & M4	650 & 209	708	LFBGA354	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	YES	1	1	4	1	8	1	YES	YES	YES	125[Tj]
STM32MP157CAC3	Dual A7 & M4	650 & 209	708	TFBGA361	148	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	YES	1	1	4	1	8	1	YES	YES	YES	125[Tj]
STM32MP157CAA3	Dual A7 & M4	650 & 209	708	LFBGA448	176	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	YES	1	1	4	1	8	1	YES	YES	YES	125[Tj]
STM32MP157DAD1	Dual A7 & M4	800 & 209	708	TFBGA257	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	YES	1	1	4	1	8	1	YES	N/A	YES	105[Tj]
STM32MP157DAB1	Dual A7 & M4	800 & 209	708	LFBGA354	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	YES	1	1	4	1	8	1	YES	N/A	YES	105[Tj]
STM32MP157DAC1	Dual A7 & M4	800 & 209	708	TFBGA361	148	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	YES	1	1	4	1	8	1	YES	N/A	YES	105[Tj]
STM32MP157DAA1	Dual A7 & M4	800 & 209	708	LFBGA448	176	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	YES	1	1	4	1	8	1	YES	N/A	YES	105[Tj]

STM32 MP1系列 – 双核Arm® Cortex®-A7和Arm® Cortex®-M4高超性能MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LP Timer	ADC 16-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	SPI	I2S	M-SPI	I2C	U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIP1_DSI	SAI	SPDIFRX	DFSDM	DCMI	TRNG	AES/DES	SHA/HMAC	T° Max (°C)
STM32MP157FAD1	Dual A7 & M4	800 & 209	708	TFBGA257	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	YES	1	1	4	1	8	1	YES	YES	YES	105[Tj]
STM32MP157FAB1	Dual A7 & M4	800 & 209	708	LFBGA354	98	1.7-3.6	12	2	2	5	2	17	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1	1	YES	1	1	4	1	8	1	YES	YES	YES	105[Tj]
STM32MP157FAC1	Dual A7 & M4	800 & 209	708	TFBGA361	148	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	YES	1	1	4	1	8	1	YES	YES	YES	105[Tj]
STM32MP157FAA1	Dual A7 & M4	800 & 209	708	LFBGA448	176	1.7-3.6	12	2	2	5	2	22	2	6	3	2[QUAD]	6	8	2[FD]	3	1	1	2	1[Gb]	1	YES	1	1	4	1	8	1	YES	YES	YES	105[Tj]

缩写和封装

缩写

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

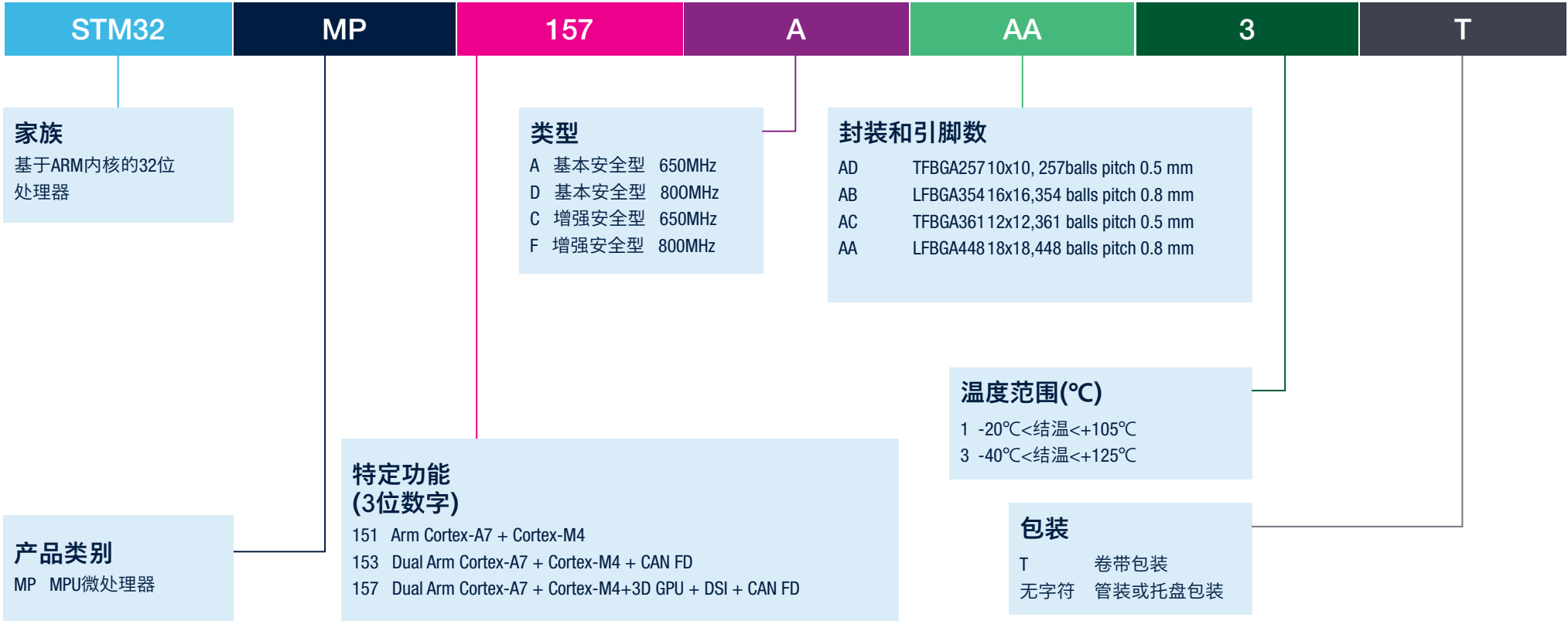
封装

S0	: plastic Small Outline package
TSSOP	: Thin Small Outline Package
LFBGA	: Low Profile Fine Pitch Ball Grid Array
UFBGA	: Ultra Thin Profile Fine Pitch Ball Grid Array
TFBGA	: Thin Profile Fine Pitch Ball Grid Array
SiP-LGA	: System in Package Land Grid Array
LQFP	: Low Profile Quad Flat Package
UFQFN	: Ultra thin Fine pitch Quad Flat No-lead
UFQFPN	: Ultra thin Fine pitch Quad Flat Packages No-lead
VFQFPN	: Very thin Fine pitch Quad Flat Packages No-lead
WLCSP	: Wafer-Level Chip-Scale Package

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