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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)
32位无线微控制器(Wireless)

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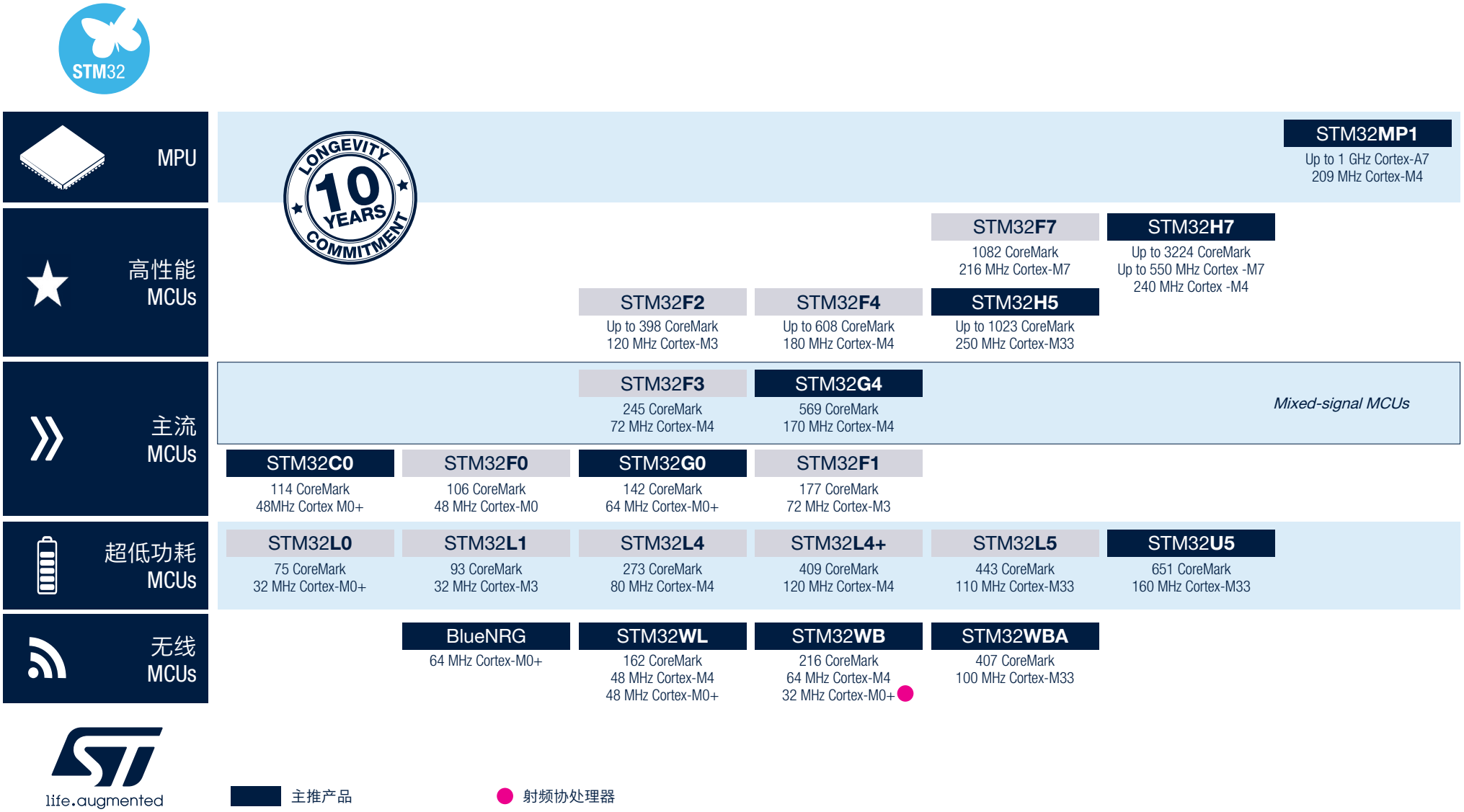


STM32 G4系列 – Arm® Cortex®-M4高性能模数混合型MCU

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高性能模数混合型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)
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
STM32G431RBIx	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高性能模数混合型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高性能模数混合型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)
STM32G491REIx	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
STM32G491MCTx	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
STM32G491METx	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
STM32G491MCSx	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
STM32G491MESx	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
STM32G491VCTx	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
STM32G491VETx	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
STM32G4A1KEUx	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
STM32G4A1CETx	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
STM32G4A1CEUx	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
STM32G4A1RETx	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
STM32G4A1REIx	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
STM32G4A1REYx	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
STM32G4A1METx	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
STM32G4A1MESx	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高性能模数混合型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高性能模数混合型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
STM32G473PBIx	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
STM32G473PCIx	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
STM32G473PEIx	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高性能模数混合型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高性能模数混合型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)
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
STM32G474PBIx	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
STM32G474PCIx	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
STM32G474PEIx	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高性能模数混合型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+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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	N/A	N/A	125

STM32 G0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)	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+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+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+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+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
STM32G081RBIx	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_0C1 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+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
STM32G0B1RBIxN	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
STM32G0B1RCIxN	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
STM32G0B1REIxN	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+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 C0系列 – Arm Cortex-M0+超值入门型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	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)
STM32C011J4Mx	Cortex-M0+	48	16	6	SO-8	6	2.0-3.6	5	0	1	0	1	7	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C011J6Mx	Cortex-M0+	48	32	6	SO-8	6	2.0-3.6	5	0	1	0	1	7	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C011D6Yx	Cortex-M0+	48	32	6	WLCSP12	10	2.0-3.6	5	0	1	0	1	9	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C011F4Px	Cortex-M0+	48	16	6	TSSOP20	18	2.0-3.6	5	0	1	0	1	15	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C011F6Px	Cortex-M0+	48	32	6	TSSOP20	18	2.0-3.6	5	0	1	0	1	15	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C011F4Ux	Cortex-M0+	48	16	6	UFQFPN20	18	2.0-3.6	5	0	1	0	1	15	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C011F6Ux	Cortex-M0+	48	32	6	UFQFPN20	18	2.0-3.6	5	0	1	0	1	15	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C031F4Px	Cortex-M0+	48	16	12	TSSOP20	18	2.0-3.6	5	0	1	0	1	15	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C031F6Px	Cortex-M0+	48	32	12	TSSOP20	18	2.0-3.6	5	0	1	0	1	15	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C031G4Ux	Cortex-M0+	48	16	12	UFQFPN28	26	2.0-3.6	5	0	1	0	1	17	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C031G6Ux	Cortex-M0+	48	32	12	UFQFPN28	26	2.0-3.6	5	0	1	0	1	17	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C031K4Tx	Cortex-M0+	48	16	12	LQFP32	30	2.0-3.6	5	0	1	0	1	18	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C031K6Tx	Cortex-M0+	48	32	12	LQFP32	30	2.0-3.6	5	0	1	0	1	18	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C031K4Ux	Cortex-M0+	48	16	12	UFQFPN32	30	2.0-3.6	5	0	1	0	1	18	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C031K6Ux	Cortex-M0+	48	32	12	UFQFPN32	30	2.0-3.6	5	0	1	0	1	18	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C031C4Tx	Cortex-M0+	48	16	12	LQFP48	45	2.0-3.6	5	0	1	0	1	21	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C031C6Tx	Cortex-M0+	48	32	12	LQFP48	45	2.0-3.6	5	0	1	0	1	21	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C031C4Ux	Cortex-M0+	48	16	12	UFQFPN48	45	2.0-3.6	5	0	1	0	1	21	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125
STM32C031C6Ux	Cortex-M0+	48	32	12	UFQFPN48	45	2.0-3.6	5	0	1	0	1	21	0	0	1	1	1	2	0	0	0	0	N/A	N/A	125

STM32 F3系列 – Arm® Cortex®-M4模数混合型MCU(附带DSP和FPU)

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (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模数混合型MCU(附带DSP和FPU)

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (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)
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 Perfomance 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模数混合型MCU(附带DSP和FPU)

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (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)
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模数混合型MCU(附带DSP和FPU)

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (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)
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	WLCSP49	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模数混合型MCU(附带DSP和FPU)

Commercial Product Code	Core	Frequency (MHz)	Flash (Kbytes)	RAM (Kbytes)	E2PROM (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)
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	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)
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	UFBGA100	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	UFBGA100	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	UFBGA64	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
STM32F078CBY6	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	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)
STM32F078RBH6	Cortex-M0	48	128	16	UFBGA64	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	UFBGA100	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	UFBGA64	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	UFBGA100	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)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	M-SPI	I2C	LPUART 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	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	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)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	M-SPI	I2C	LPUART	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	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	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	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	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	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	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	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	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	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	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	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	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)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	M-SPI	I2C	LPUART	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	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)
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	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
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	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
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	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
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	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
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	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
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	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
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	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
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	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
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	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
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	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
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	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)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	M-SPI	I2C	LPUART 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	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)
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	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
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	M-SPI	I2C	LPUART	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	SWPMI	Math Accelerator	TRNG	OTFDEC	AES/DES	SHA/HMAC	T° Max (°C)
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	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	85
STM32H743AII6	Cortex -M7	480	2048	1060	UFBGA169	131	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	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	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	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	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	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	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	85
STM32H743XIH6	Cortex -M7	480	2048	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	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	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
STM32H753VIH6	Cortex -M7	480	2048	1060	TFBGA100	82	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
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	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
STM32H753AII6	Cortex -M7	480	2048	1060	UFBGA169	131	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
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	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

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 12-bit Channels	ADC 16-bit Units	ADC 16-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	I2S	M-SPI	I2C	LPUART 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	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	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	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	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	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	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	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	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	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	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	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	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	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	M-SPI	I2C	LPUART 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	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	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	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	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	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
STM32H755IIKx	M7 & M4	480 & 240	2048	1060	UFBGA176	128	1.62-3.6	YES	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	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	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	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	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	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	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	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	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	M-SPI	I2C	LPUART	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	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	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
STM32H747AII6	M7 & M4	480 & 240	2048	1060	UFBGA169	112	1.62-3.6	YES	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	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	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	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	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	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
STM32H757AII6	M7 & M4	480 & 240	2048	1060	UFBGA169	112	1.62-3.6	YES	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	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	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	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	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)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	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)
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)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	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)
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
STM32H7A3AII6Q	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)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	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)
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)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	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
STM32H7B3AII6Q	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	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	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)
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	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	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	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)
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	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	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	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	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	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	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	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	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	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	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	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 12-bit Channels	ADC 16-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	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	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	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	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	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	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	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	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	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	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	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	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)	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)
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)	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)
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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)	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)
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)	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)
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	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	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	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	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	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	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	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	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	N/A	YES	0	0	2	1	1	1	YES	N/A	N/A	85
STM32F765IIK6	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	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	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	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	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	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)	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)
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)	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)
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
STM32F777IIK6	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	MIPI_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 H5系列 – Arm® Cortex®-M33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	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Ethernet	SAI	DCMI	Math Accelerator	TrustZone	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32H503 Value Line																																					
STM32H503CBT6	Cortex-M33	250	128	32	LQFP48	35	1.71-3.6	6	1	1	2	1	10	2	1	1	3	3	0	2	3	1	1[FD]	0	0	1	1	0	0	0	N/A	N/A	N/A	N/A	N/A	YES	85
STM32H503CBU6	Cortex-M33	250	128	32	UFQFPN48	35	1.71-3.6	6	1	1	2	1	10	2	1	1	3	3	0	2	3	1	1[FD]	0	0	1	1	0	0	0	N/A	N/A	N/A	N/A	N/A	YES	85
STM32H503EBY6	Cortex-M33	250	128	32	WLCSP25	19	1.71-3.6	6	1	1	2	1	10	2	1	1	3	3	0	2	3	1	1[FD]	0	0	1	1	0	0	0	N/A	N/A	N/A	N/A	N/A	YES	85
STM32H503KBU6	Cortex-M33	250	128	32	UFQFPN32	24	1.71-3.6	6	1	1	2	1	10	2	1	1	3	3	0	2	3	1	1[FD]	0	0	1	1	0	0	0	N/A	N/A	N/A	N/A	N/A	YES	85
STM32H503RBT6	Cortex-M33	250	128	32	LQFP64	49	1.71-3.6	6	1	1	2	1	16	2	1	1	3	3	0	2	3	1	1[FD]	0	0	1	1	0	0	0	N/A	N/A	N/A	N/A	N/A	YES	85
STM32H562 Trust Zone,Access Line																																					
STM32H562AII6	Cortex-M33	250	2048	640	UFBGA169	136	1.71-3.6	16	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	1[FD]	2	1	1	1	0	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H562IIK6	Cortex-M33	250	2048	640	UFBGA176	140	1.71-3.6	16	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	1[FD]	2	1	1	1	0	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H562IIT6	Cortex-M33	250	2048	640	LQFP176	140	1.71-3.6	16	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	1[FD]	2	1	1	1	0	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H562RIT6	Cortex-M33	250	2048	640	LQFP64	53	1.71-3.6	16	2	2	6	2	16	2	0	0	4	3	1[OCTO]	4	5	1	1[FD]	2	0	1	1	0	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H562RIV6	Cortex-M33	250	2048	640	VFQFPN68	53	1.71-3.6	16	2	2	6	2	16	2	0	0	4	3	1[OCTO]	4	5	1	1[FD]	2	0	1	1	0	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H562VIT6	Cortex-M33	250	2048	640	LQFP100	80	1.71-3.6	16	2	2	6	2	16	2	0	0	5	3	1[OCTO]	4	5	1	1[FD]	2	1	1	1	0	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H562ZIT6	Cortex-M33	250	2048	640	LQFP144	112	1.71-3.6	16	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	1[FD]	2	1	1	1	0	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H563 Ethernet,TrustZone, Advanced Line																																					
STM32H563AII3Q	Cortex-M33	250	2048	640	UFBGA169	134	1.71-3.6	16	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125

STM32 H5系列 – Arm® Cortex®-M33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	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Ethernet	SAI	DCMI	Math Accelerator	TrustZone	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32H563AII6	Cortex-M33	250	2048	640	UFBGA169	136	1.71-3.6	16	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H563IIK3Q	Cortex-M33	250	2048	640	UFBGA176	140	1.71-3.6	16	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32H563IIK6	Cortex-M33	250	2048	640	UFBGA176	140	1.71-3.6	16	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H563IIT3Q	Cortex-M33	250	2048	640	LQFP176	140	1.71-3.6	16	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32H563IIT6	Cortex-M33	250	2048	640	LQFP176	136	1.71-3.6	16	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H563MIY3QTR	Cortex-M33	250	2048	640	WLCSP80	57	1.71-3.6	16	2	2	6	2	16	2	0	0	4	3	1[OCTO]	4	5	1	2[FD]	2	1	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32H563RIT6	Cortex-M33	250	2048	640	LQFP64	53	1.71-3.6	16	2	2	6	2	16	2	0	0	4	3	1[OCTO]	4	5	1	2[FD]	2	0	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H563RIV6	Cortex-M33	250	2048	640	VFQFPN68	53	1.71-3.6	16	2	2	6	2	16	2	0	0	4	3	1[OCTO]	4	5	1	2[FD]	2	0	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H563VIT3Q	Cortex-M33	250	2048	640	LQFP100	78	1.71-3.6	16	2	2	6	2	14	2	0	0	5	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	0	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32H563VIT6	Cortex-M33	250	2048	640	LQFP100	80	1.71-3.6	16	2	2	6	2	16	2	0	0	5	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H563ZIT3Q	Cortex-M33	250	2048	640	LQFP144	110	1.71-3.6	16	2	2	6	2	18	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	0	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32H563ZIT6	Cortex-M33	250	2048	640	LQFP144	112	1.71-3.6	16	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	85
STM32H573 Ethernet,TrustZone, AES/OTFDEC,High Performance Line																																				
STM32H573AII3Q	Cortex-M33	250	2048	640	UFBGA169	134	1.71-3.6	18	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32H573AII6	Cortex-M33	250	2048	640	UFBGA169	136	1.71-3.6	18	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	YES	YES	YES	YES	85

STM32 H5系列 – Arm® Cortex®-M33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	COMP	OPAMP	SPI	I2S	M-SPI	I2C	U(S)ART	LPUART	CAN	SDIO	F(S)MC	USB Device	USB FS HOST/OTG	Ethernet	SAI	DCMI	Math Accelerator	TrustZone	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32H573IIK3Q	Cortex-M33	250	2048	640	UFBGA176	139	1.71-3.6	18	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32H573IIK6	Cortex-M33	250	2048	640	UFBGA176	140	1.71-3.6	18	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	YES	YES	YES	YES	85
STM32H573IIK6TR	Cortex-M33	250	2048	640	UFBGA176	140	1.71-3.6	18	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	YES	YES	YES	YES	85
STM32H573IIT3Q	Cortex-M33	250	2048	640	LQFP176	139	1.71-3.6	18	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32H573IIT6	Cortex-M33	250	2048	640	LQFP176	136	1.71-3.6	18	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	YES	YES	YES	YES	85
STM32H573MIY3QTR	Cortex-M33	250	2048	640	WLCSP80	57	1.71-3.6	18	2	2	6	2	16	2	0	0	4	3	1[OCTO]	4	5	1	2[FD]	2	1	1	1	1	2	1	YES	YES	YES	YES	YES	YES	125
STM32H573RIT6	Cortex-M33	250	2048	640	LQFP64	53	1.71-3.6	18	2	2	6	2	16	2	0	0	4	3	1[OCTO]	4	5	1	2[FD]	2	1	1	1	1	2	1	YES	YES	YES	YES	YES	YES	85
STM32H573RIV6	Cortex-M33	250	2048	640	VFQFPN68	53	1.71-3.6	18	2	2	6	2	16	2	0	0	4	3	1[OCTO]	4	5	1	2[FD]	2	1	1	1	1	2	1	YES	YES	YES	YES	YES	YES	85
STM32H573VIT3Q	Cortex-M33	250	2048	640	LQFP100	78	1.71-3.6	18	2	2	6	2	14	2	0	0	5	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	0	2	1	YES	YES	YES	YES	YES	YES	125
STM32H573VIT6	Cortex-M33	250	2048	640	LQFP100	80	1.71-3.6	18	2	2	6	2	16	2	0	0	5	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	YES	YES	YES	YES	85
STM32H573ZIT3Q	Cortex-M33	250	2048	640	LQFP144	110	1.71-3.6	18	2	2	6	2	18	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	0	2	1	YES	YES	YES	YES	YES	YES	125
STM32H573ZIT6	Cortex-M33	250	2048	640	LQFP144	112	1.71-3.6	18	2	2	6	2	20	2	0	0	6	3	1[OCTO]	4	6	1	2[FD]	2	1	1	1	1	2	1	YES	YES	YES	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)	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)
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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)	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)
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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)
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	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	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	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	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	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	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	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	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	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	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	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	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)
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	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)
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	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)
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
STM32F405OEY6	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)	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)
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	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)
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	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)
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	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)
STM32F429IET6	Cortex-M4	180	512	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	N/A	N/A	85
STM32F429IGH6	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	N/A	N/A	85
STM32F429IGT6	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	N/A	N/A	85
STM32F429IIH6	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	N/A	N/A	85
STM32F429IIT6	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	N/A	N/A	85
STM32F429BET6	Cortex-M4	180	512	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	N/A	N/A	85
STM32F429BGT6	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	N/A	N/A	85
STM32F429BIT6	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	N/A	N/A	85
STM32F429NEH6	Cortex-M4	180	512	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	N/A	N/A	85
STM32F429NGH6	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	N/A	N/A	85
STM32F429NIH6	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	N/A	N/A	85
STM32F439VGT6	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	YES	YES	85
STM32F439VIT6	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	YES	1	0	1	0	0	1	YES	YES	YES	85
STM32F439AIH6	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	YES	1	0	1	0	0	1	YES	YES	YES	85
STM32F439ZGT6	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	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)	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)
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)	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)
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	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)
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	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)
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	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	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
STM32F205VBT6	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	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	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	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	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	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	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	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	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	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	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	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	1	YES	YES	YES	85	85

STM32 U5系列 – Arm® Cortex®-M33新一代超低功耗旗舰系列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	ADC 14-bit Units	ADC 14-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SAI	SPI	M-SPI	I2C	LPUART U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	GPU	TFT LCD	MIPI_DSI	SAI	DCMI	PSSI	MDF	ADF	Math Accelerator	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32U575CG	Cortex-M33	160	1024	786	LQFP48, UFQFPN48	36	1.71-3.6	7	4	2	4	1	11	1	11	2	2	2	3	1	2 [OCTO]	4	4	1	1 [FD]	0	NO	1	NO	NO	NO	1	1	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U575CI	Cortex-M33	160	2048	786	LQFP48, UFQFPN48	36	1.71-3.6	7	4	2	4	1	11	1	11	2	2	2	3	1	2 [OCTO]	4	4	1	1 [FD]	0	NO	1	NO	NO	NO	1	1	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U575RG	Cortex-M33	160	1024	786	LQFP64	50	1.71-3.6	7	4	2	4	1	17	1	17	2	2	2	3	1	2 [OCTO]	4	5	1	1 [FD]	2	NO	1	NO	NO	NO	1	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U575RI	Cortex-M33	160	2048	786	LQFP64	50	1.71-3.6	7	4	2	4	1	17	1	17	2	2	2	3	1	2 [OCTO]	4	5	1	1 [FD]	2	NO	1	NO	NO	NO	1	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U575OG	Cortex-M33	160	1024	786	WLCSP90	69	1.71-3.6	7	4	2	4	1	16	1	16	2	2	2	3	1	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	1	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U575OI	Cortex-M33	160	2048	786	WLCSP90	69	1.71-3.6	7	4	2	4	1	16	1	16	2	2	2	3	1	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	1	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U575VG	Cortex-M33	160	1024	786	UFBGA132	81	1.71-3.6	7	4	2	4	1	20	1	20	2	2	2	3	2	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U575VI	Cortex-M33	160	2048	786	LQFP100	81	1.71-3.6	7	4	2	4	1	20	1	20	2	2	2	3	2	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U575QG	Cortex-M33	160	1024	786	UFBGA132	109	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125

STM32 U5系列 – Arm® Cortex®-M33新一代超低功耗旗舰系列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	ADC 14-bit Units	ADC 14-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	SAI	M-SPI	I2C	LPUART U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	GPU	TFT LCD	MIPI_DSI	SAI	DCMI	PSSI	MDF	ADF	Math Accelerator	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32U575QI	Cortex-M33	160	2048	786	UFBGA132	109	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U575ZG	Cortex-M33	160	1024	786	LQFP144	113	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U575ZI	Cortex-M33	160	2048	786	LQFP144	113	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U575AG	Cortex-M33	160	1024	786	UFBGA169	137	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U575AI	Cortex-M33	160	2048	786	UFBGA169	137	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U585CI	Cortex-M33	160	2048	786	LQFP48, UFQFPN48	36	1.71-3.6	7	4	2	4	1	11	1	11	2	2	2	3	1	2 [OCTO]	4	4	1	1 [FD]	0	NO	1	NO	NO	NO	1	1	YES	2	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U585RI	Cortex-M33	160	2048	786	LQFP64	50	1.71-3.6	7	4	2	4	1	17	1	17	2	2	2	3	1	2 [OCTO]	4	5	1	1 [FD]	2	NO	1	NO	NO	NO	1	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U585OI	Cortex-M33	160	2048	786	WLCSP90	69	1.71-3.6	7	4	2	4	1	16	1	16	2	2	2	3	1	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	1	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U585VI	Cortex-M33	160	2048	786	LQFP100	81	1.71-3.6	7	4	2	4	1	20	1	20	2	2	2	3	2	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125

STM32 U5系列 – Arm® Cortex®-M33新一代超低功耗旗舰系列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	ADC 14-bit Units	ADC 14-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SAI	SPI	M-SPI	I2C	LPUART U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	GPU	TFT LCD	MIPI_DSI	SAI	DCMI	PSSI	MDF	ADF	Math Accelerator	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32U585QI	Cortex-M33	160	2048	786	UFBGA132	109	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U585ZI	Cortex-M33	160	2048	786	LQFP144	113	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U585AI	Cortex-M33	160	2048	786	UFBGA169	137	1.71-3.6	7	4	2	4	1	24	1	24	2	2	2	3	2	2 [OCTO]	4	5	1	1 [FD]	2	YES	1	NO	NO	NO	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U535CB	Cortex-M33	160	128	274	LQFP48, UFQFP48	37	1.71-3.6	5	2	2	4	1	11	1	11	2	1	1	3	1	1 [OCTO]	4	2	2	1 [FD]	0	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U535CC	Cortex-M33	160	256	274	LQFP48, UFQFP48	37	1.71-3.6	5	2	2	4	1	11	1	11	2	1	1	3	1	1 [OCTO]	4	2	2	1 [FD]	0	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U535CE	Cortex-M33	160	512	274	LQFP48, UFQFP48	37	1.71-3.6	5	2	2	4	1	11	1	11	2	1	1	3	1	1 [OCTO]	4	2	2	1 [FD]	0	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U535JC	Cortex-M33	160	256	274	WLCSP72	50	1.71-3.6	5	2	2	4	1	12	1	12	2	1	1	3	1	1 [OCTO]	4	2	2	1 [FD]	0	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U535JE	Cortex-M33	160	512	274	WLCSP72	50	1.71-3.6	5	2	2	4	1	12	1	12	2	1	1	3	1	1 [OCTO]	4	2	2	1 [FD]	0	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U535NC	Cortex-M33	160	256	274	WLCSP56	39	1.71-3.6	5	2	2	4	1	11	1	11	2	1	1	3	1	1 [OCTO]	4	2	2	1 [FD]	0	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125

STM32 U5系列 – Arm® Cortex®-M33新一代超低功耗旗舰系列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	ADC 14-bit Units	ADC 14-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SAI	SPI	M-SPI	I2C	LPUART U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	GPU	TFT LCD	MIPI_DSI	SAI	DCMI	PSSI	MDF	ADF	Math Accelerator	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32U535NE	Cortex-M33	160	512	274	WLCSP56	39	1.71-3.6	5	2	2	4	1	11	1	11	2	1	1	3	1	1 [OCTO]	4	2	2	1 [FD]	0	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U535RB	Cortex-M33	160	128	274	LQFP64	51	1.71-3.6	5	2	2	4	1	17	1	17	2	1	1	3	1	1 [OCTO]	4	4	2	1 [FD]	1	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U535RC	Cortex-M33	160	256	274	LQFP64, UFBGA64	51	1.71-3.6	5	2	2	4	1	17	1	17	2	1	1	3	1	1 [OCTO]	4	4	2	1 [FD]	1	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U535RE	Cortex-M33	160	512	274	LQFP64, UFBGA64	51	1.71-3.6	5	2	2	4	1	17	1	17	2	1	1	3	1	1 [OCTO]	4	4	2	1 [FD]	1	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U535VC	Cortex-M33	160	256	274	LQFP100, UFBGA100	82	1.71-3.6	5	2	2	4	1	20	1	20	2	1	1	3	1	1 [OCTO]	4	4	2	1 [FD]	1	NO	1	NO	NO	NO	1	1	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U535VE	Cortex-M33	160	512	274	LQFP100, UFBGA100	82	1.71-3.6	5	2	2	4	1	20	1	20	2	1	1	3	1	1 [OCTO]	4	4	2	1 [FD]	1	NO	1	NO	NO	NO	1	1	YES	2	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U545CE	Cortex-M33	160	512	274	LQFP48, UFQFPN48	37	1.71-3.6	5	2	2	4	1	11	1	11	2	1	1	3	1	1 [OCTO]	4	2	2	1 [FD]	0	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U545JE	Cortex-M33	160	512	274	WLCSP72	50	1.71-3.6	5	2	2	4	1	12	1	12	2	1	1	3	1	1 [OCTO]	4	2	2	1 [FD]	0	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U545NE	Cortex-M33	160	512	274	WLCSP56	39	1.71-3.6	5	2	2	4	1	11	1	11	2	1	1	3	1	1 [OCTO]	4	2	2	1 [FD]	0	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	YES	YES	YES	YES	85/125

STM32 U5系列 – Arm® Cortex®-M33新一代超低功耗旗舰系列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	ADC 14-bit Units	ADC 14-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	SAI	M-SPI	I2C	LPUART U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	GPU	TFT LCD	MIPI_DSI	SAI	DCMI	PSSI	MDF	ADF	Math Accelerator	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32U545RE	Cortex-M33	160	512	274	LQFP64, UFBGA64	51	1.71-3.6	5	2	2	4	1	17	1	17	2	1	1	3	1	1 [OCTO]	4	4	2	1 [FD]	1	NO	1	NO	NO	NO	1	0	YES	2	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U545VE	Cortex-M33	160	512	274	LQFP100, UFBGA100	82	1.71-3.6	5	2	2	4	1	20	1	20	2	1	1	3	1	1 [OCTO]	4	4	2	1 [FD]	1	NO	1	NO	NO	NO	1	1	YES	2	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U595_5A5_599_5A9 Advanced Graphic Line																																											
STM32U595VJ	Cortex-M33	160	4096	2514	LQFP100	82	1.71-3.6	7	4	2	4	1	20	2	20	2	2	2	3	2	5	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	NO	NO	1	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U595ZJ	Cortex-M33	160	4096	2514	LQFP144	114	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	5	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	NO	NO	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U5A5VJ	Cortex-M33	160	4096	2514	LQFP100	82	1.71-3.6	7	4	2	4	1	20	2	20	2	2	2	3	2	5	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	NO	NO	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U5A5ZJ	Cortex-M33	160	4096	2514	LQFP144	115	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	5	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	NO	NO	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U595QJ	Cortex-M33	160	4096	2514	UFBGA132	110	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	5	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	NO	NO	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U595RJ	Cortex-M33	160	4096	2514	LQFP64	51	1.71-3.6	7	4	2	4	1	17	2	27	2	2	2	3	1	5	6	6	1	1 [FD]	2	NO	1(HS OTG)	YES	NO	NO	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125

STM32 U5系列 – Arm® Cortex®-M33新一代超低功耗旗舰系列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	ADC 14-bit Units	ADC 14-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SAI	SPI	M-SPI	I2C	LPUART U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	GPU	TFT LCD	MIPI_DSI	SAI	DCMI	PSSI	MDF	ADF	Math Accelerator	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32U5A5QJ	Cortex-M33	160	4096	2514	UFBGA132	110	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	5	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	NO	NO	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U5A5RJ	Cortex-M33	160	4096	2514	LQFP64	51	1.71-3.6	7	4	2	4	1	17	2	27	2	2	2	3	1	5	6	6	1	1 [FD]	2	NO	1(HS OTG)	YES	NO	NO	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U595AJ	Cortex-M33	160	4096	2514	TFBGA 7X7X1.1 169L P 0.5 MM,TFBGA 7X7X1.1-169-F13 P.5-B.25	136	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	5	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	NO	NO	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U5A5AJ	Cortex-M33	160	4096	2514	TFBGA 7X7X1.1 169L P 0.5 MM,TFBGA 7X7X1.1-169-F13 P.5-B.25	136	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	5	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	NO	NO	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U599BJ	Cortex-M33	160	4096	2514	WLCSP208	145	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	7	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	YES	YES	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U599NI	Cortex-M33	160	2048	2514	TFBGA216	156	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	7	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	YES	YES	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125

STM32 U5系列 – Arm® Cortex®-M33新一代超低功耗旗舰系列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	ADC 14-bit Units	ADC 14-bit Channels	DAC 12-bit Channels	COMP	OPAMP	SPI	SAI	M-SPI	I2C	LPUART U(S)ART	CAN	SDIO	F(S)MC	USB FS HOST/OTG	GPU	TFT LCD	MIPI_DSI	SAI	DCMI	PSSI	MDF	ADF	Math Accelerator	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32U599NJ	Cortex-M33	160	4096	2514	TFBGA216	156	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	7	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	YES	YES	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U599VJ	Cortex-M33	160	4096	2514	LQFP100	82	1.71-3.6	7	4	2	4	1	20	2	20	2	2	2	3	2	5	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	YES	N/A	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U599ZJ	Cortex-M33	160	4096	2514	LQFP144, WLCSP150	108	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	5	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	YES	N/A	2	1	YES	6	YES	YES	YES	YES	NO	NO	NO	NO	85/125
STM32U5A9BJ	Cortex-M33	160	4096	2514	WLCSP208	145	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	7	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	YES	YES	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U5A9NJ	Cortex-M33	160	4096	2514	TFBGA216	156	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	7	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	YES	YES	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U5A9VJ	Cortex-M33	160	4096	2514	LQFP100	82	1.71-3.6	7	4	2	4	1	20	2	20	2	2	2	3	2	5	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	YES	N/A	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125
STM32U5A9ZJ	Cortex-M33	160	4096	2514	LQFP144, WLCSP150	108	1.71-3.6	7	4	2	4	1	24	2	24	2	2	2	3	2	5	6	6	1	1 [FD]	2	YES	1(HS OTG)	YES	YES	N/A	2	1	YES	6	YES	YES	YES	YES	YES	YES	YES	YES	85/125

STM32 L5系列 – Arm® Cortex®-M33超低功耗高性能高安全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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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超低功耗高性能高安全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	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	SAI	DFSDM	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32L552QEIxP	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	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	2	3	1[OCTO]	4	5	1	1[FD]	1	1	1	2	1	YES	YES	N/A	N/A	N/A	YES	125
STM32L552QEIxQ	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	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	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	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	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	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	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	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	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	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	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	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	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	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超低功耗高性能高安全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	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	SAI	DFSDM	TrustZone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
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
STM32L562QEIx	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
STM32L562QEIxP	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
STM32L562QEIxQ	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	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 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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5QGIx	Cortex-M4	120	1024	320	UFBGA132	110	1.71-3.6	9	2	2	2	2	16	2	2	2	3	2[OCTO]	4	5	1	1	2	1	1	YES	1	0	2	1	1	YES	YES	N/A	N/A	YES	125
STM32L4P5QGIxP	Cortex-M4	120	1024	320	UFBGA132	108	1.71-3.6	9	2	2	2	2	16	2	2	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	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 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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	2	3	2[OCTO]	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	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

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	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 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	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
STM32L4R5QGIx	Cortex-M4	120	1024	640	UFBGA132	110	1.71-3.6	9	2	2	2	1	16	2	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
STM32L4R5QIIx	Cortex-M4	120	2048	640	UFBGA132	110	1.71-3.6	9	2	2	2	1	16	2	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	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	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	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	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	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
STM32L4R5AGIx	Cortex-M4	120	1024	640	UFBGA169	140	1.71-3.6	9	2	2	2	1	16	2	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
STM32L4R5AIIx	Cortex-M4	120	2048	640	UFBGA169	140	1.71-3.6	9	2	2	2	1	16	2	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	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
STM32L4S5QIIx	Cortex-M4	120	2048	640	UFBGA132	110	1.71-3.6	9	2	2	2	1	16	2	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	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	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
STM32L4S5AIIx	Cortex-M4	120	2048	640	UFBGA169	140	1.71-3.6	9	2	2	2	1	16	2	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	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	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
STM32L4R7AIIx	Cortex-M4	120	2048	640	UFBGA169	140	1.71-3.6	9	2	2	2	1	16	2	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	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	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	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 FS HOST/OTG	GPU	TFT LCD	MIPI_DSI	SAI	DFSDM	DCMI	PSSI	TRNG	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32L4S7AIIx	Cortex-M4	120	2048	640	UFBGA169	140	1.71-3.6	9	2	2	2	1	16	2	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	DFSDM	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
STM32L431RBIx	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
STM32L431RCIx	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
STM32L431VCIx	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	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	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	YES	YES	N/A	125
STM32L422RBIx	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	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	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)
STM32L433RCIx	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
STM32L433RCYx	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
STM32L433VCTx	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
STM32L433VCIx	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
STM32L443CCTx	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
STM32L443CCUx	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
STM32L443CCYx	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
STM32L443RCTx	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
STM32L443RCIx	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
STM32L443RCYx	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
STM32L443VCTx	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
STM32L443VCIx	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																																				
STM32L475RCTx	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
STM32L475RETx	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
STM32L475RGTx	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
STM32L475VCTx	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
STM32L476QEIx	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	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)
STM32L476QGIx	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
STM32L486QGIx	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	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)
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	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)
STM32L496AGIxP	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
STM32L4A6QGIx	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
STM32L4A6QGIxP	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
STM32L4A6AGIx	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
STM32L4A6AGIxP	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)	E2PROM (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)	E2PROM (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)	E2PROM (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)
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)	E2PROM (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)
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)	E2PROM (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)
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)	E2PROM (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)
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)	E2PROM (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)
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)	E2PROM (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)
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)	E2PROM (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2.4G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 Units	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	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	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	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	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	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	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	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	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	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2.4G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 Units	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2.4G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 Units	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)
STM32WBx0 Value Line																																			
STM32WB10CCU6	M4 & M0+	64	320	48	0	UFQFPN48	30	2-3.6	3	1	1	2	1	13	0	1	0	1	1	0	0	0	0	0	0	0	0	N/A	2.4G	BLE5.3	4dBm	YES	YES	YES	85
STM32WB30CEU6A	M4 & M0+	64	512	96	0	UFQFPN48	30	2-3.6	3	1	1	2	1	13	0	1	0	1	1	0	0	0	0	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	4dBm	YES	YES	YES	85
STM32WB50CGU6	M4 & M0+	64	1024	128	0	UFQFPN48	30	2-3.6	3	1	1	2	1	13	0	1	0	1	1	0	0	0	0	0	0	0	0	N/A	2.4G	BLE5.3 Zigbee 3.0 OpenThread 802.15.4 proprietary	4dBm	YES	YES	YES	85
STM32WB5M Module Line																																			
STM32WB5MMGH6	M4 & M0+	64	1024	256	0	SiP-LGA 86	68	1.8-3.6	3	1	1	2	1	19	2	2	1 [QUAD]	2	1	1	1	8x40	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 WBA系列 – Arm® Cortex®-M33超低功耗高性能安全2.4G无线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	SPI	I2C	U(S)ART	LPUART	RF	Trust'Zone	TRNG	PKA	AES/DES	T° Max (°C)
STM32WBx0 Value Line																							
STM32WBA52CGUx	M33	100	1024	128	UFQFPN48	35	1.71-3.6	3	1	1	2	1	9	2	2	2	1	2.4G	YES	YES	YES	YES	85
STM32WBA52CEUx	M33	100	512	96	UFQFPN48	35	1.71-3.6	3	1	1	2	1	9	2	2	2	1	2.4G	YES	YES	YES	YES	85

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)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	LPUART U(S)ART	RF	Radio Freq. Range (MHz)	PA	Modulations	Standard protocol	TRNG	PKA	AES/DES	T° Max (°C)
STM32WL5x Dual-core Line ARM® Cortex® M4 + Cortex®-M0+																												
STM32WL54CCUx	M4 & M0+	48 & 48	256	64	UFQFPN48	29	1.8-3.6	3	1	1	3	1	13	1	2	2	1	3	2	1	Sub-G	150 - 960	HPA:22dBm LPA:15dBm	(G)FSK (G)MSK BPSK	sigfox M-Bus MIOTY ZETA	YES	YES	YES	105
STM32WL54JCIx	M4 & M0+	48 & 48	256	64	UFBGA73	43	1.8-3.6	3	1	1	3	1	16	1	2	2	1	3	2	1	Sub-G	150 - 960	HPA:22dBm LPA:15dBm	(G)FSK (G)MSK BPSK	sigfox M-Bus MIOTY ZETA	YES	YES	YES	105
STM32WL55CCUx	M4 & M0+	48 & 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
STM32WL55JCIx	M4 & M0+	48 & 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
STM32WLEx Signle-core Line ARM® Cortex®- M4																												
STM32WLE4CCUx	Cortex-M4	48	256	64	UFQFPN48	29	1.8-3.6	3	1	1	3	1	13	1	2	2	1	3	2	1	Sub-G	150 - 960	HPA:22dBm LPA:15dBm	(G)FSK (G)MSK BPSK	sigfox M-Bus MIOTY ZETA	YES	YES	YES	105
STM32WLE4JCIx	Cortex-M4	48	256	64	UFBGA73	43	1.8-3.6	3	1	1	3	1	16	1	2	2	1	3	2	1	Sub-G	150 - 960	HPA:22dBm LPA:15dBm	(G)FSK (G)MSK BPSK	sigfox M-Bus MIOTY ZETA	YES	YES	YES	105
STM32WLE5C8U6	Cortex-M4	48	64	20	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

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)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	DAC 12-bit Channels	COMP	SPI	I2S	I2C	U(S)ART	LPUART	RF	Radio Freq. Range (MHz)	PA	Modulations	Standard protocol	TRNG	PKA	AES/DES	T° Max (°C)
STM32WLE5CBU6	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
STM32WLE5JCIx	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®

BlueNRG系列 – Cortex®-M0+低功耗蓝牙SoC

Commercial Product Code	Type	CPU	Tx Power(Max)(dBm)	Sensitivity(dBm)	Radio Current(mA)	Bluetooth	Bluetooth Mesh	Direction Finding	Concurrent Links	Temp Range	Flash (Kbytes)	RAM (Kbytes)	OTP (Bytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	SPI	I2S	I2C	U(S)ART	LPUART	TRNG	PKA	AES/DES
BlueNRG-345AC	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.2	Y	—	128	-40 ~85℃	256	32	1024	QFN32	20	1.7-3.6	—	1	1	8	3	2	2	2	—	YES	YES	YES
BlueNRG-345AT	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.2	Y	—	128	-40 ~105℃	256	32	1024	QFN32	20	1.7-3.6	—	1	1	8	3	2	2	2	—	YES	YES	YES
BlueNRG-355AC	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.2	Y	—	128	-40 ~85℃	256	64	1024	QFN32	20	1.7-3.6	—	1	1	8	3	2	2	2	—	YES	YES	YES
BlueNRG-355AT	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.2	Y	—	128	-40 ~105℃	256	64	1024	QFN32	20	1.7-3.6	—	1	1	8	3	2	2	2	—	YES	YES	YES
BlueNRG-345MC	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.2	Y	—	128	-40 ~85℃	256	32	1024	QFN48	32	1.7-3.6	—	1	1	8	3	2	2	2	—	YES	YES	YES
BlueNRG-355MC	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.2	Y	—	128	-40 ~85℃	256	64	1024	QFN48	32	1.7-3.6	—	1	1	8	3	2	2	2	—	YES	YES	YES

BlueNRG系列 – Cortex®-M0+低功耗蓝牙SoC

Commercial Product Code	Type	CPU	Tx Power(Max)(dBm)	Sensitivity(dBm)	Radio Current(mA)	Bluetooth	Bluetooth Mesh	Direction Finding	Concurrent Links	Temp Range	Flash (Kbytes)	RAM (Kbytes)	OTP (Bytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	SPI	I2S	I2C	U(S)ART	LPUART	TRNG	PKA	AES/DES
BlueNRG-345MT	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.2	Y	—	128	-40 ~105℃	256	32	1024	QFN48	32	1.7-3.6	—	1	1	8	3	2	2	2	—	YES	YES	YES
BlueNRG-355MT	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.2	Y	—	128	-40 ~105℃	256	64	1024	QFN48	32	1.7-3.6	—	1	1	8	3	2	2	2	—	YES	YES	YES
BlueNRG-345VC	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.2	Y	—	128	-40 ~85℃	256	32	1024	WCSP49	30	1.7-3.6	—	1	1	8	3	2	2	2	—	YES	YES	YES
BlueNRG-355VC	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.2	Y	—	128	-40 ~85℃	256	64	1024	WCSP49	30	1.7-3.6	—	1	1	8	3	2	2	2	—	YES	YES	YES
BlueNRG-345VT	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.2	Y	—	128	-40 ~105℃	256	32	1024	WCSP49	30	1.7-3.6	—	1	1	8	3	2	2	2	—	YES	YES	YES
BlueNRG-355VT	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.2	Y	—	128	-40 ~105℃	256	64	1024	WCSP49	30	1.7-3.6	—	1	1	8	3	2	2	2	—	YES	YES	YES

BlueNRG系列 – Cortex®-M0+低功耗蓝牙SoC

Commercial Product Code	Type	CPU	Tx Power(Max)(dBm)	Sensitivity(dBm)	Radio Current(mA)	Bluetooth	Bluetooth Mesh	Direction Finding	Concurrent Links	Temp Range	Flash (Kbytes)	RAM (Kbytes)	OTP (Bytes)	Package	IO	VDD	Timer (16-bit)	Advanced Timer (16-bit)	ADC 12-bit Units	ADC 12-bit Channels	SPI	I2S	I2C	U(S)ART	LPUART	TRNG	PKA	AES/DES
BLUENRG-332AC	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.3	Y	Y	128	-40 ~85℃	192	24	1024	QFN32	20	1.7-3.6	3	—	1	8	1	1	1	1	1	YES	YES	YES
BLUENRG-332AT	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.3	Y	Y	128	-40 ~105℃	192	24	1024	QFN32	20	1.7-3.6	3	—	1	8	1	1	1	1	1	YES	YES	YES
BLUENRG-332VC	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.3	Y	Y	128	-40 ~85℃	192	24	1024	WCSP36	20	1.7-3.6	3	—	1	8	1	1	1	1	1	YES	YES	YES
BLUENRG-332VT	SoC	64 MHz Arm Cortex-M0+	8	-97@1Mbps -94@2Mbps -100@500kbps -104@125kbps	RX: 3.4 TX: 4.3@0dBm	5.3	Y	Y	128	-40 ~105℃	192	24	1024	WCSP36	20	1.7-3.6	3	—	1	8	1	1	1	1	1	YES	YES	YES

SPIRIT系列 – Sub1G Hz 射频收发器

Commercial Product Code	Type	Frequency bands(MHz)	Modulation	Tx Power(Max)(dBm)	Sensitivity(best)(dBm)	Supply Current	Protocols	Temp Range(°C)	FIFO (Bytes)	Package	IO	VDD	SPI
SPIRIT1QTR	Transceiver	150-174 300-348 387-470 779-956	2-FSK, GFSK, MSK, GMSK, OOK, ASK	16	-120	RX:9.2mA TX: 19.5mA@+11dBm Sleep: 850nA Standby: 600nA	WMBUS, Proprietary, 6LoWPAN	-40 ~105	RX: 96 TX: 96	QFN20	4	1.8-3.6	1
S2-LPQTR	Transceiver	413-479 826-958	2(G)FSK, 4(G)FSK, OOK, ASK	16	-130	RX:7mA TX: 10mA@+10dBm Sleep: 700nA Standby: 500nA	WMBUS,Proprietary, 6LoWPAN, WiSUN, KNX, SigFox	-40 ~105	RX: 128 TX: 128	QFN24	4	1.8-3.6	1
S2-LPCBQTR	Transceiver	452-527 904-1055	2(G)FSK, 4(G)FSK, OOK, ASK	16	-130	RX:7mA TX: 10mA@+10dBm Sleep: 700nA Standby: 500nA	WMBUS,Proprietary, 6LoWPAN, WiSUN, KNX, SigFox	-40 ~105	RX: 128 TX: 128	QFN24	4	1.8-3.6	1

STM32 MP1系列 – Arm® Cortex®-A7/Arm® Cortex®-A7 +M4高性价比工业级MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	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 Device	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	Trust'Zone	TRNG	OTFDEC	PKA	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	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP151AAB3	A7 & M4	650 & 209	708	LFBGA354	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP151AAC3	A7 & M4	650 & 209	708	TFBGA361	148	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP151AAA3	A7 & M4	650 & 209	708	LFBGA448	176	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP151CAD3	A7 & M4	650 & 209	708	TFBGA257	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	125 [Tj]
STM32MP151CAB3	A7 & M4	650 & 209	708	LFBGA354	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	125 [Tj]
STM32MP151CAC3	A7 & M4	650 & 209	708	TFBGA361	148	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	125 [Tj]
STM32MP151CAA3	A7 & M4	650 & 209	708	LFBGA448	176	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	125 [Tj]
STM32MP151DAD1	A7 & M4	800 & 209	708	TFBGA257	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP151DAB1	A7 & M4	800 & 209	708	LFBGA354	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP151DAC1	A7 & M4	800 & 209	708	TFBGA361	148	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	105 [Tj]

STM32 MP1系列 – Arm® Cortex®-A7/Arm® Cortex®-A7 +M4高性价比工业级MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	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 Device	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	Trust'Zone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32MP151DAA1	A7 & M4	800 & 209	708	LFBGA448	176	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP151FAD1	A7 & M4	800 & 209	708	TFBGA257	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	105 [Tj]
STM32MP151FAB1	A7 & M4	800 & 209	708	LFBGA354	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	105 [Tj]
STM32MP151FAC1	A7 & M4	800 & 209	708	TFBGA361	148	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	105 [Tj]
STM32MP151FAA1	A7 & M4	800 & 209	708	LFBGA448	176	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	0	3	1	0	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	105 [Tj]
STM32MP153 Performance Line Dual ARM® Cortex® -A7 + Cortex® -M4 + 2xCAN FD																																									
STM32MP153AAD3	Dual A7 & M4	650 & 209	708	TFBGA257	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	2	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP153AAB3	Dual A7 & M4	650 & 209	708	LFBGA354	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	2	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP153AAC3	Dual A7 & M4	650 & 209	708	TFBGA361	148	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	2	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP153AAA3	Dual A7 & M4	650 & 209	708	LFBGA448	176	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	2	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP153CAD3	Dual A7 & M4	650 & 209	708	TFBGA257	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	2	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	125 [Tj]
STM32MP153CAB3	Dual A7 & M4	650 & 209	708	LFBGA354	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	2	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	125 [Tj]

STM32 MP1系列 – Arm® Cortex®-A7/Arm® Cortex®-A7 +M4高性价比工业级MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	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 Device	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	Trust'Zone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32MP153CAC3	Dual A7 & M4	650 & 209	708	TFBGA361	148	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	2	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	125 [Tj]
STM32MP153CAA3	Dual A7 & M4	650 & 209	708	LFBGA448	176	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	2	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	125 [Tj]
STM32MP153DAD1	Dual A7 & M4	800 & 209	708	TFBGA257	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP153DAB1	Dual A7 & M4	800 & 209	708	LFBGA354	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP153DAC1	Dual A7 & M4	800 & 209	708	TFBGA361	148	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP153DAA1	Dual A7 & M4	800 & 209	708	LFBGA448	176	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP153FAD1	Dual A7 & M4	800 & 209	708	TFBGA257	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	105 [Tj]
STM32MP153FAB1	Dual A7 & M4	800 & 209	708	LFBGA354	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	105 [Tj]
STM32MP153FAC1	Dual A7 & M4	800 & 209	708	TFBGA361	148	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	105 [Tj]
STM32MP153FAA1	Dual A7 & M4	800 & 209	708	LFBGA448	176	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1 [Gb]	1	N/A	1	0	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	105 [Tj]
STM32MP157 Dual ARM® Cortex® -A7 + Cortex® -M4 + 2xCAN FD + 3D GPU + MIPI-DSI																																									
STM32MP157AAD3	Dual A7 & M4	650 & 209	708	TFBGA257	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	125 [Tj]

STM32 MP1系列 – Arm® Cortex®-A7/Arm® Cortex®-A7 +M4高性价比工业级MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	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 Device	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	Trust'Zone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32MP157AAB3	Dual A7 & M4	650 & 209	708	LFBGA354	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP157AAC3	Dual A7 & M4	650 & 209	708	TFBGA361	148	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1 [Gb]	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP157AAA3	Dual A7 & M4	650 & 209	708	LFBGA448	176	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1 [Gb]	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP157CAD3	Dual A7 & M4	650 & 209	708	TFBGA257	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	125 [Tj]
STM32MP157CAB3	Dual A7 & M4	650 & 209	708	LFBGA354	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	125 [Tj]
STM32MP157CAC3	Dual A7 & M4	650 & 209	708	TFBGA361	148	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1 [Gb]	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	125 [Tj]
STM32MP157CAA3	Dual A7 & M4	650 & 209	708	LFBGA448	176	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1 [Gb]	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	125 [Tj]
STM32MP157DAD1	Dual A7 & M4	800 & 209	708	TFBGA257	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP157DAB1	Dual A7 & M4	800 & 209	708	LFBGA354	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP157DAC1	Dual A7 & M4	800 & 209	708	TFBGA361	148	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1 [Gb]	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP157DAA1	Dual A7 & M4	800 & 209	708	LFBGA448	176	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1 [Gb]	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	N/A	YES	105 [Tj]

STM32 MP1系列 – Arm® Cortex®-A7/Arm® Cortex®-A7 +M4高性价比工业级MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	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 Device	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	Trust'Zone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32MP157FAD1	Dual A7 & M4	800 & 209	708	TFBGA257	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	105 [Tj]
STM32MP157FAB1	Dual A7 & M4	800 & 209	708	LFBGA354	98	1.7-3.6	17	2	2	5	0	0	2	17	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	105 [Tj]
STM32MP157FAC1	Dual A7 & M4	800 & 209	708	TFBGA361	148	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1 [Gb]	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	105 [Tj]
STM32MP157FAA1	Dual A7 & M4	800 & 209	708	LFBGA448	176	1.7-3.6	17	2	2	5	0	0	2	22	2	6	3	2 [QUAD]	6	8	2 [FD]	3	1	0	2	1	1 [Gb]	1	YES	1	1	4	4	8	1	N/A	YES	N/A	N/A	YES	YES	105 [Tj]
STM32MP131 ARM® Cortex® -A7 + 1x Ethernet + 1x ADC																																									
STM32MP131DAE7	Cortex -A7	1000	168	LFBGA289	135	1.71-3.6	17	2	2	5	1	18	0	0	0	5	4	2 [QUAD]	5	8	0	2	1	0	1	1	1 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP131DAF7	Cortex -A7	1000	168	TFBGA320	135	1.71-3.6	17	2	2	5	1	18	0	0	0	5	4	2 [QUAD]	5	8	0	2	1	0	1	1	1 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP131DAG7	Cortex -A7	1000	168	TFBGA289	135	1.71-3.6	17	2	2	5	1	18	0	0	0	5	4	2 [QUAD]	5	8	0	2	1	0	1	1	1 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP131FAE7	Cortex -A7	1000	168	LFBGA289	135	1.71-3.6	17	2	2	5	1	18	0	0	0	5	4	2 [QUAD]	5	8	0	2	1	0	1	1	1 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	YES	YES	YES	YES	105 [Tj]
STM32MP131FAF7	Cortex -A7	1000	168	TFBGA320	135	1.71-3.6	17	2	2	5	1	18	0	0	0	5	4	2 [QUAD]	5	8	0	2	1	0	1	1	1 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	YES	YES	YES	YES	105 [Tj]
STM32MP131FAG7	Cortex -A7	1000	168	TFBGA289	135	1.71-3.6	17	2	2	5	1	18	0	0	0	5	4	2 [QUAD]	5	8	0	2	1	0	1	1	1 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	YES	YES	YES	YES	105 [Tj]
STM32MP131AAF3	Cortex -A7	650	168	TFBGA320	135	1.71-3.6	17	2	2	5	1	18	0	0	0	5	4	2 [QUAD]	5	8	0	2	1	0	1	1	1 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	N/A	N/A	N/A	YES	125 [Tj]

STM32 MP1系列 – Arm® Cortex®-A7/Arm® Cortex®-A7 +M4高性价比工业级MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	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 Device	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	Trust'Zone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32MP131AAG3	Cortex -A7	650	168	TFBGA289	135	1.71-3.6	17	2	2	5	1	18	0	0	0	5	4	2 [QUAD]	5	8	0	2	1	0	1	1	1 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP131CAE3	Cortex -A7	650	168	LFBGA289	135	1.71-3.6	17	2	2	5	1	18	0	0	0	5	4	2 [QUAD]	5	8	0	2	1	0	1	1	1 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	YES	YES	YES	YES	125 [Tj]
STM32MP131CAF3	Cortex -A7	650	168	TFBGA320	135	1.71-3.6	17	2	2	5	1	18	0	0	0	5	4	2 [QUAD]	5	8	0	2	1	0	1	1	1 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	YES	YES	YES	YES	125 [Tj]
STM32MP131CAG3	Cortex -A7	650	168	TFBGA289	135	1.71-3.6	17	2	2	5	1	18	0	0	0	5	4	2 [QUAD]	5	8	0	2	1	0	1	1	1 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	YES	YES	YES	YES	125 [Tj]
STM32MP133 ARM® Cortex® -A7 + 2x Ethernet + 2x ADC + 2x CAN FD																																									
STM32MP133DAE7	Cortex -A7	1000	168	LFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP133DAF7	Cortex -A7	1000	168	TFBGA320	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP133DAG7	Cortex -A7	1000	168	TFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP133FAE7	Cortex -A7	1000	168	LFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	YES	YES	YES	YES	105 [Tj]
STM32MP133FAF7	Cortex -A7	1000	168	TFBGA320	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	YES	YES	YES	YES	105 [Tj]
STM32MP133FAG7	Cortex -A7	1000	168	TFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	YES	YES	YES	YES	105 [Tj]
STM32MP133AAE3	Cortex -A7	650	168	LFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	N/A	N/A	N/A	YES	125 [Tj]

STM32 MP1系列 – Arm® Cortex®-A7/Arm® Cortex®-A7 +M4高性价比工业级MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	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 Device	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	Trust'Zone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32MP133AAF3	Cortex -A7	650	168	TFBGA320	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP133AAG3	Cortex -A7	650	168	TFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP133CAE3	Cortex -A7	650	168	LFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	YES	YES	YES	YES	125 [Tj]
STM32MP133CAF3	Cortex -A7	650	168	TFBGA320	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	YES	YES	YES	YES	125 [Tj]
STM32MP133CAG3	Cortex -A7	650	168	TFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	0	0	2	4	4	0	YES	YES	YES	YES	YES	YES	125 [Tj]
STM32MP135 ARM® Cortex® -A7 + 2x Ethernet + 2x ADC + 2x CAN FD + LCD-TFT + Camera																																									
STM32MP135DAE7	Cortex -A7	1000	168	LFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	1	0	2	4	4	1	YES	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP135DAF7	Cortex -A7	1000	168	TFBGA320	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	1	0	2	4	4	1	YES	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP135DAG7	Cortex -A7	1000	168	TFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	1	0	2	4	4	1	YES	YES	N/A	N/A	N/A	YES	105 [Tj]
STM32MP135FAE7	Cortex -A7	1000	168	LFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	1	0	2	4	4	1	YES	YES	YES	YES	YES	YES	105 [Tj]
STM32MP135FAF7	Cortex -A7	1000	168	TFBGA320	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	1	0	2	4	4	1	YES	YES	YES	YES	YES	YES	105 [Tj]
STM32MP135FAG7	Cortex -A7	1000	168	TFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	1	0	2	4	4	1	YES	YES	YES	YES	YES	YES	105 [Tj]

STM32 MP1系列 – Arm® Cortex®-A7/Arm® Cortex®-A7 +M4高性价比工业级MPU

Commercial Product Code	Core	Frequency (MHz)	RAM (Kbytes)	Package	IO	VDD	Timer (16-bit)	Timer (32-bit)	Advanced Timer (16-bit)	LPTimer	ADC 12-bit Units	ADC 12-bit Channels	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 Device	USB FS HOST/OTG	USB HS OTG	Ethernet	MDIO	3D GPU	TFT LCD	MIPI_DSI	SAI	SPDIFRX	DFSDM	DCMI	Trust'Zone	TRNG	OTFDEC	PKA	AES/DES	SHA/HMAC	T° Max (°C)
STM32MP135AAE3	Cortex -A7	650	168	LFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	1	0	2	4	4	1	YES	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP135AAF3	Cortex -A7	650	168	TFBGA320	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	1	0	2	4	4	1	YES	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP135AAG3	Cortex -A7	650	168	TFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	1	0	2	4	4	1	YES	YES	N/A	N/A	N/A	YES	125 [Tj]
STM32MP135CAE3	Cortex -A7	650	168	LFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	1	0	2	4	4	1	YES	YES	YES	YES	YES	YES	125 [Tj]
STM32MP135CAF3	Cortex -A7	650	168	TFBGA320	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	1	0	2	4	4	1	YES	YES	YES	YES	YES	YES	125 [Tj]
STM32MP135CAG3	Cortex -A7	650	168	TFBGA289	135	1.71-3.6	17	2	2	5	2	37	0	0	0	5	4	2 [QUAD]	5	8	2 [FD]	2	1	0	1	1	2 [Gb]	0	N/A	1	0	2	4	4	1	YES	YES	YES	YES	YES	YES	125 [Tj]

缩写和封装

缩写

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

封装

SO : 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

STM32 产品型号(仅适用于MCU)

STM32	F	051	R	8	T	6	X	XX

家族

STM32　32位MCU /MPU

产品类别

F	基础型
G	主流型
C	经济主流型
L/U	超低功耗
H	高性能
WB	蓝牙及802.15.4
WL	长距离无线产品

特定功能 (3位数字)

(依据产品系列非详细列表)

STM32x ...

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

引脚数

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

闪存容量(Kbytes)

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

封装

H LFBGA /TFBGA
L UFBGA Pitch 0.5**
J UFBGA Picth 0.8**
K UFBGA Picth 0.65**
M Plastic SO
P TSSOP
T LQFP
U UFQFPN
V VFQFPN
Y WLCSP
** F0,F1,F2,F3,F4系列请使用H

温度范围(°C)

6 - 40到+85
7 - 40到+105
3 - 40到+125

选项

Q Dedicated pinout supporting SMPS step-down converter
S New sawing
P Dedicated pinout supporting external SMPS
N «N» product version or blank

包装

TR	卷带包装
无字符	管装或托盘包装
xxx	programmed parts

STM32MPU产品型号

家族
基于ARM内核的32位处理器

产品类别
MP　MPU微处理器

产品子系列 (3位数字)
131 ARM Cortex-A7 + Ethernet + ADC
133 ARM Cortex-A7 + 2x Ethernet + 2x ADC + 2x CAN FD
135 ARM Cortex-A7 + 2x Ethernet + 2x ADC + 2x CAN FD + LCD-TFT + Camera

151 ARM Cortex-A7 + Cortex-M4
153 Dual ARM Cortex-A7 + Cortex-M4 + 2xCAN FD
157 Dual ARM Cortex-A7 + Cortex-M4 + 2xCAN FD + 3D GPU + MIPI-DSI

类型
A　基本安全型　650MHz
D　基本安全型　800MHz, 1GHz
C　增强安全型　650MHz
F　增强安全型　800MHz, 1GHz

封装和引脚
AD TFBGA257 10x10mm p0.5
AC TFBGA361 12x12mm p0.5
AB LFBGA354 16x16mm p0.8
AA LFBGA448 18x18mm p0.8

AE LFBGA289 14x14mm p0.8
AF TFBGA320 11x11mm p0.5
AG TFBGA289 9x9mm p0.5

温度范围
1 -20℃ < 结温< +105℃
3 -40℃ < 结温< +125℃
7 -40℃ < 结温< +105℃

包装
T　卷带包装
无字符　管装或托盘包装

BlueNRG 产品型号

BlueNRG -

家族
蓝牙低功耗处理器

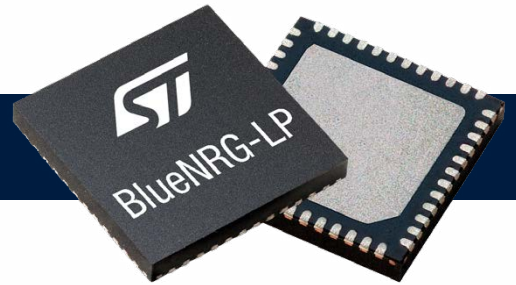
产品类别
2 — BlueNRG-LPS / BlueNRG-LPS-512
5 — BlueNRG-LP

温度范围(°C)
C — -40C up to +85C
T — -40C up to +105C

封装
A — QFN32
M — QFN48
V — WLCSP

内存容量
3 — 192KB Flash / 24KB RAM
4 — 256KB Flash / 32KB RAM
5 — 256KB Flash / 64KB RAM
6 — 512KB Flash / 32KB RAM
7 — 512KB Flash / 64KB RAM

产品版本
3 — BlueNRG-LP based



Bluetooth®

LONGEVITY 10 YEARS COMMITMENT

SPIRIT 产品型号

订购代码	封装	包装
SPIRIT1QTR	QFN20	卷带包装
S2-LPQTR	QFN24 4x4x1	卷带包装
S2-LPCBQTR	QFN24 4x4x1	卷带包装

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