



STM8L系列超低功耗单片机选型手册（2014. 1.）

型号	包装	主频 (M)	FLASH (K)	RAM (K)	EEPROM (B)	16位定时器 (IC/OC/PWM)	其他定时器功能	ADC	DAC	比较器	串行接口	LCD驱动	最低供电 (V)	最高供电 (V)	低功耗典型 电流(μA)	运行典型电流 (μA)/Mhz	触摸感应 固件库
STM8L051F3	TSSOP-20	16	8	1	256	2x16B	2 x WDG, IWDG, RTC, 蜂鸣器	10x12B	-	-	1xSPI;1xI2C;1xUSART (IrDA)	-	1.8	3.6	0.35	180	Yes
STM8L052C6	LQFP-48	16	32	2	256	3x16B	2 x WDG, IWDG, RTC, 蜂鸣器	25x12B	-	-	1xSPI;1xI2C;1xUSART (IrDA)	LCD 4x28	1.8	3.6	0.35	180	Yes
STM8L052R8	LQFP-64	16	64	4	256	4x16B	2 x WDG, IWDG, RTC, 蜂鸣器	28x12B	-	-	2xSPI;1xI2C;3xUSART (IrDA)	LCD	1.8	3.6	0.4	200	Yes
STM8L101F1	UFQFPN-20	16	2	1.5	-	2x16B	IWD, AWU, 蜂鸣器	-	-	2	1xSPI;1xI2C;1xUSART;1xIRTx	-	1.65	3.6	0.3	150	Yes
STM8L101F2	TSSOP-20; UFQFPN-20	16	4	1.5	-	2x16B	AWU;蜂鸣器;IWDG	-	-	2	1xSPI;1xI2C;1xUSART;1xIRTx	-	1.65	3.6	0.3	150	Yes
STM8L101F3	TSSOP-20; UFQFPN-20	16	8	1.5	2048	2x16B	IWD, AWU, 蜂鸣器	-	-	2	1xSPI;1xI2C;1xUSART;1xIRTx	-	1.65	3.6	0.3	150	Yes
STM8L101G2	UFQFPN-28	16	4	1.5	-	2x16B	IWD, AWU, 蜂鸣器	-	-	2	1xSPI;1xI2C;1xUSART;1xIRTx	-	1.65	3.6	0.3	150	Yes
STM8L101G3	UFQFPN-28	16	8	1.5	2048	2x16B	IWD, AWU, 蜂鸣器	-	-	2	1xSPI;1xI2C;1xUSART;1xIRTx	-	1.65	3.6	0.3	150	Yes
STM8L101K3	LQFP-32; UFQFPN-32	16	8	1.5	2048	2x16B	IWD, AWU, 蜂鸣器	-	-	2	1xSPI;1xI2C;1xUSART;1xIRTx	-	1.65	3.6	0.3	150	Yes
STM8L151C2	LQFP-48	16	4	1	256	2x16B	2 x WDG, AWU, RTC, 蜂鸣器	28x12B	-	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151C3	LQFP-48	16	8	1	256	2x16B	2 x WDG, AWU, RTC, 蜂鸣器	28x12B	-	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151C4	LQFP-48; UFQFPN-48	16	16	2	1024	3x16B	2 x WDG, AWU, RTC, 蜂鸣器	25x12B	1x12B	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151C6	LQFP-48; UFQFPN-48	16	32	2	1024	3x16B	2 x WDG, AWU, RTC, 蜂鸣器	25x12B	1x12B	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151C8	LQFP-48; UFQFPN-48	16	64	4	2048	4x16B	2 x WDG, AWU, RTC, 蜂鸣器	25x12B	2x12B	2	2xSPI;1xI2C;3xUSART (IrDA)	-	1.65	3.6	0.4	200	Yes
STM8L151F2	TSSOP-20; UFQFPN-20	16	4	1	256	2x16B	2 x WDG, AWU, RTC, 蜂鸣器	10x12B	-	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151F3	TSSOP-20; UFQFPN-20	16	8	1	256	2x16B	2 x WDG, AWU, RTC, 蜂鸣器	10x12B	-	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151G2	UFQFPN-28	16	4	1	256	2x16B	2 x WDG, AWU, RTC, 蜂鸣器	18x12B	-	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151G3	UFQFPN-28	16	8	1	256	2x16B	2 x WDG, AWU, RTC, 蜂鸣器	18x12B	-	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151G4	UFQFPN-28; WLCSP FAN IN	16	16	2	1024	3x16B	2 x WDG, AWU, RTC, 蜂鸣器	18x12B	1x12B	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151G6	UFQFPN-28; WLCSP FAN IN	16	32	2	1024	3x16B	2 x WDG, AWU, RTC, 蜂鸣器	18x12B	1x12B	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151K2	UFQFPN-32	16	4	1	256	2x16B	2 x WDG, AWU, RTC, 蜂鸣器	23x12B	-	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151K3	UFQFPN-32	16	8	1	256	2x16B	2 x WDG, AWU, RTC, 蜂鸣器	23x12B	-	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151K4	LQFP-32; UFQFPN-32	16	16	2	1024	3x16B	2 x WDG, AWU, RTC, 蜂鸣器	22x12B	1x12B	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151K6	LQFP-32; UFQFPN-32	16	32	2	1024	3x16B	2 x WDG, AWU, RTC, 蜂鸣器	22x12B	1x12B	2	1xSPI;1xI2C;1xUSART (IrDA)	-	1.65	3.6	0.35	180	Yes
STM8L151M8	LQFP-80	16	64	4	2048	4x16B	2 x WDG, AWU, RTC, 蜂鸣器	28x12B	2x12B	2	2xSPI;1xI2C;3xUSART (IrDA)	-	1.65	3.6	0.4	200	Yes
STM8L151R6	LQFP-64	16	32	2	1024	4x16B	2 x WDG, AWU, RTC, 蜂鸣器	28x12B	2x12B	2	2xSPI;1xI2C;3xUSART (IrDA)	-	1.65	3.6	0.4	200	Yes
STM8L151R8	LQFP-64	16	64	4	2048	4x16B	2 x WDG, AWU, RTC, 蜂鸣器	28x12B	2x12B	2	2xSPI;1xI2C;3xUSART (IrDA)	-	1.65	3.6	0.4	200	Yes
STM8L152C4	LQFP-48; UFQFPN-48	16	16	2	1024	3x16B	2 x WDG, AWU, RTC, 蜂鸣器	25x12B	1x12B	2	1xSPI;1xI2C;1xUSART (IrDA)	LCD 4x28	1.65	3.6	0.35	195	Yes
STM8L152C6	LQFP-48; UFQFPN-48	16	32	2	1024	3x16B	2 x WDG, AWU, RTC, 蜂鸣器	25x12B	1x12B	2	1xSPI;1xI2C;1xUSART (IrDA)	LCD 4x28	1.65	3.6	0.35	180	Yes
STM8L152C8	LQFP-48; UFQFPN-48	16	64	4	2048	4x16B	2 x WDG, AWU, RTC, 蜂鸣器	28x12B	2x12B	2	2xSPI;1xI2C;3xUSART (IrDA)	LCD	1.65	3.6	0.4	200	Yes
STM8L152K4	LQFP-32; UFQFPN-32	16	16	2	1024	3x16B	2 x WDG, AWU, RTC, 蜂鸣器	21x12B	1x12B	2	1xSPI;1xI2C;1xUSART (IrDA)	LCD 4x17	1.65	3.6	0.35	180	Yes
STM8L152K6	LQFP-32; UFQFPN-32	16	32	2	1024	3x16B	2 x WDG, AWU, RTC, 蜂鸣器	21x12B	1x12B	2	1xSPI;1xI2C;1xUSART (IrDA)	LCD 4x17	1.65	3.6	0.35	180	Yes
STM8L152M8	LQFP-80	16	64	4	2048	4x16B	2 x WDG, AWU, RTC, 蜂鸣器	28x12B	2x12B	2	2xSPI;1xI2C;3xUSART (IrDA)	LCD	1.65	3.6	0.4	200	Yes
STM8L152R6	LQFP-64	16	32	2	1024	4x16B	2 x WDG, AWU, RTC, 蜂鸣器	28x12B	2x12B	2	2xSPI;1xI2C;3xUSART (IrDA)	LCD	1.65	3.6	0.4	200	Yes
STM8L152R8	LQFP-64	16	64	4	2048	4x16B	2 x WDG, AWU, RTC, 蜂鸣器	28x12B	2x12B	2	2xSPI;1xI2C;3xUSART (IrDA)	LCD	1.65	3.6	0.4	200	Yes
STM8L162M8	LQFP-80	16	64	4	2048	4x16B	2 x WDG, AWU, RTC, 蜂鸣器	28x12B	2x12B	2	2xSPI;1xI2C;3xUSART (IrDA)	LCD	1.65	3.6	0.4	200	Yes
STM8L162R8	LQFP-64	16	64	4	2048	4x16B	2 x WDG, AWU, RTC, 蜂鸣器	28x12B	2x12B	2	2xSPI;1xI2C;3xUSART (IrDA)	LCD	1.65	3.6	0.4	200	Yes