

SYNWIT SWM241 & RENESAS R5F/R7F 参数对比

序号	类型	SYNWIT SWM241K8T7-80 LQFP32	RENESAS R7F0C908B2DFP LQFP32	SYNWIT SWM241P8T7-80 LQFP44	RENESAS R5F100FEAFB#X0 LQFP44	SYNWIT SWM241C8T7-50 LQFP48	RENESAS R5F100GEAFB#X0 LQFP48	SYNWIT SWM241J8T7-65 LQFP52	RENESAS R5F100JEAFB#X0 LQFP52	SYNWIT SWM241R8T7-50 LQFP64	RENESAS R5F100LEAFB#X0 LQFP64
1	内核	Cortex-M0 32 bit MCU	RL78 16Bit MCU	Cortex-M0 32 bit MCU	RL78 16Bit MCU	Cortex-M0 32 bit MCU	RL78 16Bit MCU	Cortex-M0 32 bit MCU	RL78 16Bit MCU	Cortex-M0 32 bit MCU	RL78 16Bit MCU
2	主频	48MHz	24MHz	48MHz	32MHz	48MHz	32MHz	48MHz	32MHz	48MHz	32MHz
3	FLASH	64KB	48KB	64KB	64KB	64KB	64KB	64KB	64KB	64KB	64KB
4	SRAM	8KB	3KB	8KB	4KB	8KB	4KB	8KB	4KB	8KB	4KB
5	I/O	Max 28	Max 28	Max 40	Max 40	Max 44	Max 44	Max 48	Max 48	Max 58	Max 58
6	UART	4	3	4	3	4	3	4	3	4	3
7	ADC	12bit/8CHs	10bit/8CHs	12bit/12CHs	10bit/9CHs	12bit/12CHs	10bit/10CHs	12bit/12CHs	10bit/12CHs	12bit/12CHs	10bit/12CHs
8	PWM	16bit/6CHs	16bit/7CHs	16bit/7CHs	16bit/7CHs	16bit/7CHs	16bit/7CHs	16bit/8CHs	16bit/8CHs	16bit/8CHs	16bit/8CHs
9	I2C	2	1	2	1	2	1	2	1	2	1
10	SysTick	24bit	-	24bit	-	24bit	-	24bit	-	24bit	-
11	BaseTimer	24bit/4CHs	16bit/8CHs	24bit/4CHs	16bit/8CHs	24bit/4CHs	16bit/8CHs	24bit/4CHs	16bit/8CHs	24bit/4CHs	16bit/8CHs
12	Watchdog	32bit/1CH	17bit/1CH	32bit/1CH	17bit/1CH	32bit/1CH	17bit/8CH	32bit/1CH	17bit/1CH	32bit/1CH	17bit/1CH
13	RTC	1	-	1	1	1	1	1	1	1	1
14	LED直驱大电流输入	8COM	-	4COM	-	8COM	-	8COM	-	8COM	-
15	工作电压	2.5V~5.5V	1.6V~5.5V	2.5V~5.5V	1.6V~5.5V	2.5V~5.5V	1.6V~5.5V	2.5V~5.5V	1.6V~5.5V	2.5V~5.5V	1.6V~5.5V
16	工作温度	-40°C~105°C	-40°C~85°C	-40°C~105°C	-40°C~85°C	-40°C~105°C	-40°C~85°C	-40°C~105°C	-40°C~85°C	-40°C~105°C	-40°C~85°C