

华芯微特MCU(ARM Cortex-M0)32位微控制器产品列表

Series	Part Number	Supply Voltage(V)	Max Frequency (MHz)	Memory(KBytes)		Timer			Digital				Connectivity						Analog Interface			Package	Chip Size		
				Flash	SRAM	Timer Base	Timer Supr	SysClk	WDT	RTC	PWM <sup>a</sup>	Cordic	DIV	QEI	UART	I2C	SPI	I2S	CAN	SLCD	LED			180	SIGMA-DELTA ADC
SWM181	SWM181DBU6-40	2.3~3.6	48	120	16	4	0	1	1	0	4	2	2	0	1	1(4*13)	0	0	0	0	1(6)	1(7)	0/3	QFN40	5.0*5.0mm,e=0.4
	SWM181C9T6-50	2.3~3.6	48	96	16	4	0	1	1	0	4	2	2	0	1	1(4*22)	0	0	0	0	1(4)	1(7)	0/3	LQFP48	7.0*7.0mm,e=0.5
	SWM181CBT6-50	2.3~3.6	48	120	16	4	0	1	1	0	4	2	2	0	1	1(4*22)	0	0	0	0	1(4)	1(7)	0/3	LQFP48	7.0*7.0mm,e=0.5
	SWM181RCT6-50	2.7~3.6	48	248	16	4	0	1	1	0	4	2	2	0	1	1(4*31)	0	0	0	0	1(6)	1(8)	0/3	LQFP64	10.0*10.0mm,e=0.5
SWM190	SWM190CBT7-50	2.3~3.6	60	120	20	4	4	1	1	1	1	15	1	1	1	0	0	0	0	0	0	2(13)	4/3	LQFP48	7.0*7.0mm,e=0.5
	SWM190RBT7-50	2.3~3.6	60	120	20	4	4	1	1	1	1	16	1	1	0	0	0	0	0	0	0	2(15)	4/3	LQFP64	10.0*10.0mm,e=0.5
	SWM190SCT7-50	2.3~3.6	60	120	20	4	4	1	1	1	1	15	1	1	0	0	0	0	0	0	0	1(7)	2/2	LQFP48	7.0*7.0mm,e=0.5
	SWM190SCT6-50	2.3~3.6	60	96	20	4	4	1	1	1	1	15	1	1	0	0	0	0	0	0	0	2(15)	2/2	LQFP48	7.0*7.0mm,e=0.5
SWM241	SWM241KBT7-80	2.5~5.5	48	128	8	28	8	0	1	1	1	12	1	1	0	0	1	1(3*16)	1(8*13)	0	0	1(8)	0/0	LQFP32	7.0*7.0mm,e=0.8
	SWM241PBT7-80	2.5~5.5	48	128	8	40	8	0	1	1	1	15	1	1	0	0	1	1(4*30)	1(4*19)	0	0	1(12)	0/0	LQFP44	10.0*10.0mm,e=0.8
SWM260	SWM260KBT7-80	2.5~5.5	60	128	8	26	4	4	1	1	1	8	0	0	0	0	0	0	0	0	0	1(6)	2/0	LQFP32	7.0*7.0mm,e=0.8
	SWM260SCT7-50	2.5~5.5	60	128	8	38	4	4	1	1	1	8	0	0	0	0	0	0	0	0	0	1(8)	2/0	LQFP48	7.0*7.0mm,e=0.5
SWM166	SWM166DBU6-40	2.5~5.5	90	64	8	36	3	4	1	1	1	8	1	1	1	0	0	0	0	0	0	1(11)	2/4*	QFN40	5.0*5.0mm,e=0.4

注8: PWM包含X和Xn

注9: CMP0/1/2/3反向端连接内部VREF

Series	Part Number	Supply Voltage(V)	Driver Voltage(V)	LDO	Gate Driver	Max Frequency (MHz)	Memory (KBytes)		Timer			Digital						Connectivity			Package	Chip Size								
							Flash	SRAM	Super	Base	SysClk	WDT	RTC	PWM <sup>a</sup>	Cordic	DIV	QEI	UART	I2C	SPI			CAN	I80	SAR ADC	OP/CMP				
SWM211	SWM211C8T7-50	2.5~5.5	0	0	0	90	64	8	43	3	4	1	1	1	1	1	8	1	1	1	2	1	2	1	1	1	1(12)	4/4	LQFP48	7.0*7.0mm,e=0.5
	SWM211G6S7-65	2.5~5.5	0	0	0	90	32	8	24	3	4	1	1	1	1	8	1	1	1	1	2	1	1	1	0	1(11) <sup>5</sup>	3 <sup>3</sup> /4 <sup>6</sup>	SSOP28	10.20*5.30mm,e=0.65	
	SWM21PG6S7-65	2.5~5.5	8-40 <sup>a</sup>	5V <sup>d</sup>	3P3N	90	32	8	15	3	4	1	1	1	1	5	1	1	1	1	2	1	0	1	0	1(8) <sup>4</sup>	2 <sup>5</sup> /4 <sup>6</sup>	SSOP28	10.20*5.30mm,e=0.65	
	SWM21DD8U7-40	2.5~5.5	250(max) <sup>b</sup>	0	6N	90	64	8	20	3	4	1	1	1	1	8	1	1	1	1	2	1	1	1	0	1(9)	3/4 <sup>2</sup>	QFN40	5.0*5.0mm,e=0.4	
SWM201	SWM21DK6U7-50	2.5~5.5	70(max) <sup>c</sup>	5V <sup>d</sup>	6N	90	32	8	13	3	4	1	1	1	6	1	1	1	1	0	1	0	0	0	0	1(8)	2/4 <sup>*</sup>	QFN32	5.0*5.0mm,e=0.5	
	SWM21PE6S7-63	2.5~5.5	8-40 <sup>a</sup>	5V <sup>d</sup>	3P3N	90	32	5	15	3	4	1	1	1	5	1	1	1	1	2	1	0	0	0	0	1(7)	3/4 <sup>2</sup>	SSOP24L	6.2x8.75mm,e=0.635	
	SWM201C6T7-50	2.5~5.5	0	0	0	60	32	8	43	2	4	1	1	1	8	1	1	1	1	2	1	1	0	0	1(12)	3/4	LQFP48	7.0*7.0mm,e=0.5		
	SWM201G6S7-65	2.5~5.5	0	0	0	60	32	8	24	2	4	1	1	1	8	1	1	1	1	2	1	1	0	0	1(11) <sup>4</sup>	3 <sup>3</sup> /4 <sup>2</sup>	SSOP28	10.20*5.30mm,e=0.65		
SWM201	SWM20PG6S6-65	2.5~5.5	8-40 <sup>a</sup>	5V <sup>d</sup>	3P3N	60	32	8	15	2	4	1	1	1	2	4	1	1	1	1	1	1	0	0	0	1(8) <sup>4</sup>	3 <sup>3</sup> /3 <sup>3</sup>	SSOP28	10.20*5.30mm,e=0.65	
	SWM20DC6U7-50	2.5~5.5	90(max) <sup>b</sup>	0	6N	60	32	8	27	2	4	1	1	1	8	1	1	1	1	2	1	1	0	0	1(10)	3 <sup>3</sup> /4 <sup>3</sup>	QFN48	7.0*7.0mm,e=0.5		

注7: PWM包含X和Xn

a: 建议实际使用24V以下

b: VM最高电压

c: VM最高电压

d: 集成5V LDO, 当预驱使用8-40V供电时, 内部LDO可产生5V电源给MCU供电, 或供电至片外

注1: OPA1/2仅支持PGA模式

注2, 3: CMP0/1/2反向端连接内部VREF

注4: ADC通道CH7和CH3可分别连接OPA1/2输出端, 未封出引脚

注5: OPA1/2输出端分别连接ADC通道CH2和CH1, 未封出引脚, 在PGA模式下

注6: CMP0/1/2/3反向端连接内部VREF

注7: SPI仅有SPI1SCLK/SPI1MOSI引脚

华芯微特MCU(ARM Cortex-M4)安谋科技“星辰”STAR-MC(内核)32位微控制器产品列表

Series	Part Number	Supply Voltage(V)	Max Frequency (MHz)	Memory(KBytes)		Timer			Digital						Connectivity						MEMCTL	Package	Chip Size												
				Flash	SRAM	Stacked SDRAM (Mbytes)	I/O	Super	Base	SysClk	WDT	RTC	PWM	Cardic	DIV	UART	I2C	SPI	I2S	CAN				TFT-LCD	SDIO	SFC	USB	SAR ADC	OP/ DAC	CMP					
SWM320	SWM320CET7-50	2.2~3.6	120	512	128	0	39	6	0	1	1	1	1	1	1	12	0	0	1	4	2	2	0	1	0	0	0	0	0	0	0	1	LQFP48	7.0*7.0mm,e=0.5	
	SWM320RET7-50	2.2~3.6	120	512	128	0	50	6	0	1	1	1	1	1	1	12	0	0	1	4	2	2	0	1	0	0	0	0	0	0	0	0	0	LQFP64	10.0*10.0mm,e=0.5
SWM341	SWM32SRET6-50	2.2~3.6	120	512	128	8	46	6	0	1	1	1	1	1	12	0	0	1	4	2	2	0	1	1	1	0	0	0	0	0	0	0	0	LQFP64	10.0*10.0mm,e=0.5
	SWM341CET7-50	2.0~3.6	150	512	64	0	37	5	10	1	1	1	1	1	12	1	1	1	4	2	2	2	2	0	1	1	0	1	1	1	1	1	0	LQFP48	7.0*7.0mm,e=0.5
	SWM341RET7-50	2.0~3.6	150	512	64	0	51	5	11	1	1	1	1	1	18	1	1	1	4	2	2	2	2	1	1	1	1	1	1	1	1	0	LQFP64	10.0*10.0mm,e=0.5	
	SWM341VET7-50	2.0~3.6	150	512	64	0	72	5	12	1	1	1	1	1	20	1	1	1	4	2	2	2	2	1	1	1	1	1	1	1	1	0	LQFP100	14.0*14.0mm,e=0.5	
	SWM34SCET6-50	2.0~3.6	150	512	64	2	37	5	10	1	1	1	1	1	12	1	1	1	4	2	2	2	2	1	0	1	1	1	1	1	1	0	LQFP48	7.0*7.0mm,e=0.5	
	SWM34SRET6-50	2.0~3.6	150	512	64	8	51	5	11	1	1	1	1	1	18	1	1	1	4	2	2	2	2	1	1	1	1	1	1	1	1	0	LQFP64	10.0*10.0mm,e=0.5	
SWM341	SWM34SMEU6-40	2.0~3.6	150	512	64	2	60	5	12	1	1	1	1	20	1	1	1	4	2	2	2	2	1	1	1	1	1	1	1	1	1	0	QFN80	9.0*9.0mm,e=0.75	
	SWM34SVET6-50	2.0~3.6	150	512	64	8/16 <sup>c</sup>	72	5	12	1	1	1	1	20	1	1	1	4	2	2	2	2	1	1	1	1	1	1	1	1	1	0	LQFP100	14.0*14.0mm,e=0.5	

注1: CMP1/2反向端连接内部VREF

注2: SWM34SVET6内部集成的SDRAM为8M, 16Mbytes可选