

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)		I/O	Timer					Digital			Connectivity						Analog Interface			Package	CHIP SIZE	
				Flash	SRAM		Timer Super	Timer Base	SysClk	WDT	RTC	PWM ⁷	Cordic	DIV	UART	I2C	SPI	I2S	CAN	SLCD	LED	SIGMA-DELTA ADC	SAR ADC			OP/CMP
SWM181	SWM181DBU6-40	2.3~3.6	48	120	16	30	4	0	1	1	0	8	1	1	4	2	2	0	1	1(4*13)	0	1(6)	1(7)	0/3	QFN40	5.0*5.0mm, e=0.4
	SWM181C9T6-50	2.3~3.6	48	96	16	38	4	0	1	1	0	8	1	1	4	2	2	0	1	1(4*22)	0	1(4)	1(7)	0/3	LQFP48	7.0*7.0mm, e=0.5
	SWM181CBT6-50	2.3~3.6	48	120	16	38	4	0	1	1	0	8	1	1	4	2	2	0	1	1(4*22)	0	1(4)	1(7)	0/3	LQFP48	7.0*7.0mm, e=0.5
	SWM181RCT6-50	2.7~3.6	48	248	16	50	4	0	1	1	0	8	1	1	4	2	2	0	1	1(4*31)	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	38	4	4	1	1	1	15	1	1	4	1	2	2	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	51	4	4	1	1	1	16	1	1	4	2	2	2	0	0	0	0	2(15)	4/3	LQFP64	10.0*10.0mm, e=0.5
	SWM190CBT7-50	2.3~3.6	60	120	20	42	4	4	1	1	1	15	1	1	4	2	2	2	0	0	0	0	1(7)	2/2	LQFP48	7.0*7.0mm, e=0.5
	SWM190CBT6-50	2.3~3.6	60	96	20	42	4	4	1	1	1	15	1	1	4	2	2	2	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	4	2	2	0	0	1(3*17)	1(8*12)	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	14	1	1	4	2	2	0	0	1(4*30)	1(4*19)	0	1(12)	0/0	LQFP44	10.0*10.0mm, e=0.8
	SWM241CBT7-50	2.5~5.5	48	128	8	44	8	0	1	1	1	16	1	1	4	2	2	0	0	1(4*32)	1(6*20)	0	1(12)	0/0	LQFP48	7.0*7.0mm, e=0.5
SWM260	SWM260KBT7-80	2.5~5.5	60	128	8	26	4	4	1	1	1	8	0	0	5	1	2	0	0	0	0	0	1(6)	2/0	LQFP32	7.0*7.0mm, e=0.8
	SWM260PBT7-80	2.5~5.5	60	128	8	36	4	4	1	1	1	8	0	0	5	1	2	0	0	0	0	0	1(8)	2/0	LQFP44	10.0*10.0mm, e=0.8
	SWM260CBT7-50	2.5~5.5	60	128	8	38	4	4	1	1	1	8	0	0	5	1	2	0	0	0	0	0	1(8)	2/0	LQFP48	7.0*7.0mm, e=0.5

Series	Part Number	Supply Voltage(V)	Driver Voltage(V)	LDC	Gate Driver	Max Frequency (MHz)	Memory(KBytes)		I/O	Timer					Digital				Connectivity						Package	Chip Size	
							Flash	SRAM		Super	Base	SysClk	WDT	RTC	PWM ⁷	Cordic	DIV	QEI	UART	I2C	SPI	CAN	I80	SAR ADC			OP/CMP
SWM201	SWM201C6T7-50	2.5~5.5	0	0	0	60	32	8	43	2	4	1	1	1	8	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	2	1	1	0	0	1(11) ⁴	3 ¹ /4 ²	SSOP28	10.20*5.30mm, e=0.65
	SWM20PG6S6-65	2.5~5.5	8-40 ^a	5V ^c	3P3N	60	32	8	15	2	4	1	1	1	0	1	1	1	1	1	0	0	0	1(8) ⁴	3 ¹ /3 ³	SSOP28	10.20*5.30mm, e=0.65
	SWM20DC6U7-50	2.5~5.5	90(max) ^b	0	6N	60	32	8	27	2	4	1	1	1	8	1	1	1	2	1	1	0	0	1(10)	3 ¹ /4 ³	QFN48	7.0*7.0mm, e=0.5
SWM211	SWM211C8T7-50	2.5~5.5	0	0	0	90	64	8	43	3	4	1	1	1	8	1	1	1	2	1	2	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	8	1	1	1	2	1	1	1	0	1(11) ⁵	3 ⁵ /4 ⁶	SSOP28	10.20*5.30mm, e=0.65
	SWM21PG6S7-65	2.5~5.5	8-40 ^a	5V ^d	3P3N	90	32	8	15	3	4	1	1	1	5	1	1	1	2	1	0	1	0	1(8) ⁴	2 ⁵ /4 ⁶	SSOP28	10.20*5.30mm, e=0.65
	SWM21DC8U7-50	2.5~5.5	120(max) ^b	0	6N	90	64	8	27	3	4	1	1	1	8	1	1	1	2	1	2	1	0	1(11)	2 ⁵ /4 ⁶	QFN48	7.0*7.0mm, e=0.5
	SWM21DK6U7-50	2.5~5.5	70(max) ^c	12V/5V ^e	6N	90	32	8	13	3	4	1	1	1	6	1	1	1	0	1	0	0	0	1(8)	2/4 ⁶	QFN32	5.0*5.0mm, e=0.5

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: PWM包含X和Xn

a: 建议实际使用24V以下
 b: VM最高电压120V
 c: VM最高电压70V
 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
 e: 集成 12V/5V LDO, 内部 LDO 可产生 12V/5V 电源

华芯微特MCU(ARM Cortex-M4/M33)32 位微控制器产品列表

Series	Part Number	Supply Voltage(V)	Max Frequency (MHz)	Memory(KBytes)		Stacked SDRAM (Mbytes)	I/O	Timer					Digital				Connectivity						Analog Interface			MEMCTL	Package	Chip Size			
				Flash	SRAM			Super	Base	SysClk	WDT	RTC	PWM	Cordic	DIV	CRC	UART	I2C	SPI	I2S	CAN	TFT-LCD	SDIO	SFC	USB				SAR ADC	DAC	OP/CMP
SWM320	SWM320CET7-50	2.2~3.6	120	512	128	0	39	6	0	1	1	1	12	0	0	1	4	2	2	0	1	0	1	0	0	2(7)	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	12	0	0	1	4	2	2	0	1	0	0	0	0	2(11)	0	0	0	LQFP64	10.0*10.0mm, e=0.5
	SWM320VET7-50	2.2~3.6	120	512	128	0	85	6	0	1	1	1	12	0	0	1	4	2	2	0	1	1	1	0	0	2(12)	0	0	1	LQFP100	14.0*14.0mm, e=0.5
	SWM32SRET6-50	2.2~3.6	120	512	128	8	46	6	0	1	1	1	12	0	0	1	4	2	2	0	1	1	1	0	0	2(9)	0	0	0	LQFP64	10.0*10.0mm, e=0.5
SWM341	SWM341CET7-50	2.0~3.6	150	512	64	0	37	5	10	1	1	1	12	1	1	1	4	2	2	2	2	1	0	1	1	2(11)	1	1/3 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	18	1	1	1	4	2	2	2	2	1	1	1	1	2(14)	1	3/1 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	20	1	1	1	4	2	2	2	2	1	1	1	1	2(15)	1	4/3	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	12	1	1	1	4	2	2	2	2	1	0	1	1	2(11)	1	1/3 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	18	1	1	1	4	2	2	2	2	1	1	1	1	2(14)	1	3/1	0	LQFP64	10.0*10.0mm, e=0.5
	SWM34SVET6-50	2.0~3.6	150	512	64	8	72	5	12	1	1	1	20	1	1	1	4	2	2	2	2	1	1	1	1	2(15)	1	4/3	0	LQFP100	14.0*14.0mm, e=0.5

注1: CMP1/2反向端连接内部VREF