

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 Supe	Timer Base	SysClk	WDT	RTC	PWM <sup>3</sup>	Cordic	DIV	QEI	UART	I2C	SPI	I2S	CAN	SLCD	LED	I80	SIGMA-DELTA ADC	SAR ADC			OP/CMP
SWM166	SWM166D8U6-40	2.5~5.5	90	64	8	36	3	4	1	1	0	8	1	1	1	2	1	2	0	1	0	0	1	0	1(11)	2/4 <sup>4</sup>	QFN40	5.0*5.0mm,e=0.4
SWM181	SWM181DBU6-40	2.3~3.6	48	120	16	30	4	0	1	1	0	8	1	1	0	4	2	2	0	1	1(4*13)	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	38	4	0	1	1	0	8	1	1	0	4	2	2	0	1	1(4*22)	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	38	4	0	1	1	0	8	1	1	0	4	2	2	0	1	1(4*22)	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	50	4	0	1	1	0	8	1	1	0	4	2	2	0	1	1(4*31)	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	38	4	4	1	1	1	15	1	1	0	4	1	2	2	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	51	4	4	1	1	1	16	1	1	0	4	2	2	2	0	0	0	0	0	2(15)	4/3	LQFP64	10.0*10.0mm,e=0.5
	SWM190SCBT7-50	2.3~3.6	60	120	20	42	4	4	1	1	1	15	1	1	0	4	2	2	2	0	0	0	0	0	1(7)	2/2	LQFP48	7.0*7.0mm,e=0.5
	SWM190SC9T6-50	2.3~3.6	60	96	20	42	4	4	1	1	1	15	1	1	0	4	2	2	2	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	4	2	2	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	4	2	2	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	5	1	2	0	0	0	0	0	0	1(6)	2/0	LQFP32	7.0*7.0mm,e=0.8
	SWM260CBT7-50	2.5~5.5	60	128	8	38	4	4	1	1	1	8	0	0	0	5	1	2	0	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)	LDO	Gate Driver	Max Frequency (MHz)	Memory (KBytes)		I/O	Timer				Digital				Connectivity						Package	Chip Size		
							Flash	SRAM		Super	Base	SysClk	WDT	PWM <sup>5</sup>	Cordic	DIV	QEI	UART	I2C	SPI	CAN	MPU	SAR ADC			OP/CMP	
SWM211	SWM211C8T7-50	2.5~5.5	0	0	0	90	64	8	43	3	4	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	8	1	1	1	2	1	1	1	0	1(11)	3/4	SSOP28	10.20*5.30mm,e=0.65	
	SWM211PG6S7-65	2.5~5.5	8-40	5v	3P3N	90	32	8	15	3	4	1	1	5	1	1	1	2	1	0	1	0	1(8)	2/4	SSOP28	10.20*5.30mm,e=0.65	
	SWM211DD8U7-40	2.5~5.5	250(max)	0	6N	90	64	8	20	3	4	1	1	8	1	1	1	2	1	1	1	0	1(9)	3/4	OFN40	5.0*5.0mm,e=0.4	
	SWM211DK6U7-50	2.5~5.5	70(max)	5v	6N	90	32	8	13	3	4	1	1	6	1	1	1	0	1	0	0	0	1(8)	2/4	QFN32	5.0*5.0mm,e=0.5	
	SWM211PE6S7-63	2.5~5.5	8-40	5v	3P3N	90	32	5	15	3	4	1	1	5	1	1	1	2	1	0	0	0	1(7)	3/4	SSOP24L	6.2x8.75mm,e=0.635	
SWM221	SWM221CBT7-50	2.5~5.5	0	0	0	72	128	8	36	3	4	1	1	8	0	1	1	3	1	2	1	1	2(15) <sup>6</sup>	3/2	LQFP48	7.0*7.0mm,e=0.5	
	SWM221EBS7-63	2.5~5.5	0	0	0	72	128	8	20	3	4	1	1	8	0	1	1	3	1	2	1	0	2(10) <sup>6</sup>	3/2	SSOP24	5.8*8.55mm,e=0.635	
	SWM221KBU7-50	2.5~5.5	0	0	0	72	128	8	27	3	4	1	1	8	0	1	1	3	1	2	1	1	2(11) <sup>6</sup>	3/2	QFN32	4.9*4.9mm,e=0.5	
	SWM221PE8S7-63	2.5~5.5	6-36	5v	3P3N	72	64	8	13	3	4	1	1	8	0	1	1	2	1	2	1	0	2(9) <sup>6</sup>	3/2	SSOP24	5.8*8.55mm,e=0.635	

华芯微特MCU(ARM Cortex-M4/安谋科技“星辰”STAR-MC1内核)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
	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 <sup>1</sup>	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	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 <sup>1</sup>	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(16)	1	3/1	0	LQFP64	10.0*10.0mm,e=0.5
	SWM34SMEU6-40	2.0~3.6	120	512	64	2	60	5	12	1	1	1	20	1	1	1	4	2	2	2	2	1	1	1	1	2(12)	1	1/3 <sup>1</sup>	0	QFN80	9.0*9.0mm,e=0.75
	SWM34SVET6-50	2.0~3.6	150	512	64	8/16 <sup>2</sup>	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

注2: SWM34SVET6内部叠封的SDRAM为8M、16Mbytes可选

注3: PWM包含X和Xn

注4: CMP0/1/2/3反向端连接内部VREF

注5: PWM包含X和Xn

注6: ADC0\_CH3、ADC0\_CH4、ADC0\_CH9、ADC1\_CH4、ADC1\_CH5均为内部ADC通道,不占用外部ADC通道数量