



2025中微半导 产品选型手册

V 2.0



公司概况 Company Profile

中微半导体(深圳)股份有限公司(688380.SH)成立于2001年,是一家以MCU为核心的平台型芯片设计公司,专注于数模混合信号芯片、模拟芯片的研发、设计与销售。主要产品包括8位及32位MCU、SoC、ASIC及功率器件等,广泛应用于家用电器、消费电子、工业控制(含无刷电机控制)和汽车电子等领域。



科创板上市企业



国家级专精特新小巨人企业

2001

创建于深圳

平台型

芯片设计公司

350+

现有员工数

60%+

科研人员比



使命

让行业更简单,让用户更放心



愿景

成为全球MCU领先者



价值观

以客户为中心,以贡献者为本
做有价值的创新,开放担当,追求卓越

目 录 Contents

家电产品线

触摸系列	04
AD通用系列	05
IH电磁加热	06
雾化器系列	07
显示驱动	08

通用产品线

32位超低功耗系列	09
32位系列	10
8位8051系列	11
8位RISC系列	12

电机产品线

CMS8M3系列	14
CMS32M5/6系列	15
CMS32M6系列 低压应用	17
CMS32M6系列 高压应用	19
CMS32M7系列	20

IOT产品线

信号链MCU系列	21
信号链ADC系列	22
低功耗电源系列	23

汽车电子产品线

车规系列	24
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说明:带★产品的供应及价格,请以官方销售团队或授权经销商提供的最新信息为准。



2024年芯片总出货量超 **24** 亿颗

家电产品线 触摸系列

Part No.	Core	Freq(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash	SRAM(B)	Data Flash(B)	GPIO	ADC		COMP	Timer	LSE Timer	WDT	PWM	UART	SPI	IIC	LED	LCD	Touch	HW DIV	PACKAGE
									Bit	Channel													
CMS79FT61xC	RISC	16	2.0	5.5	2K*16b	256	128	18	12	18	-	3	-	1	5	1	-	-	Y	-	8	-	SOP8★ SOP16 SOP20
CMS79FT62xC	RISC	16	2.0	5.5	4K*16b	256	128	18	12	18	-	2	-	1	5	1	-	-	Y	-	8	-	SOP8★ SOP16 SOP20
CMS79FT72xB	RISC	32	2.5	5.5	4K*16b	344	128	26	12	26	-	3	-	1	5	1	1	1	Y	-	26	-	SOP16 SOP20 SOP28
CMS79FT73xB	RISC	32	2.5	5.5	8K*16b	256+400	256	26	12	26	-	3	-	1	5	2	1	1	Y	-	26	-	SOP16★ SOP20★ SOP28
CMS80F731x	8051	48	2.1	5.5	16KB	1.25K	1K	26	12	26	-	5	Y	1	6	2	1	1	Y	-	26	-	SOP20★ TSSOP20★ SOP28★ SSOP28★
CMS80F732x	8051	32	3.0	5.5	16KB	1K	256	26	12	26	-	3	-	1	5	2	1	1	Y	-	26	-	SOP16 SOP20 SOP28
CMS80F752x	8051	48	2.5	5.5	32KB	2.25K	1K	30	12	30	-	4	-	1	6	2	1	1	Y	-	30	-	SOP20★ SOP28 LQFP32
CMS80F761x	8051	48	2.1	5.5	64KB	4.25K	1K	46	12	46	-	5	Y	1	6	3	1	1	Y	Y	46	-	SOP28 LQFP32 LQFP44 LQFP48
CMS32F737	32Bit MO+	64	2.5	5.5	128KB	16K	3.5K	60	12	60	2	8	Y	1	6	6	6	6+1	Y	Y	49	Y	LQFP44 LQFP48 LQFP64
CMS32F759	32Bit MO+	64	2.5	5.5	256KB	16K	3.5K	60	12	60	2	8	Y	1	6	6	6	6+1	Y	Y	49	Y	LQFP44 LQFP48 LQFP64

家电产品线 AD通用系列

Part No.	Core	Freq(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash	SRAM(B)	Data Flash(B)	GPIO	DMA	ADC		COMP	OPA	Timer	LSE Timer	WDT	PWM	UART	SPI	IIC	LED	LCD	HW MUL	HW DIV	PACKAGE
										Bit	Channel														
CMS79F11x		16	1.8	5.5	2K*16b	256	128	18	-	12	18	-	-	3	Y	1	5	1	-	-	-	-	-	-	SOP8 ★ SOP14 ★ SOP16 ★ SOP20 ★
CMS79F123		16	1.8	5.5	4K*16b	344	128	14	-	12	13	-	2	3	-	1	5	1	-	-	-	-	-	Y	SOP16 ★
CMS79F13x		16	2.0	5.5	8K*16b	344	128	18	-	12	18	-	-	3	Y	1	5	2	-	-	-	-	-	-	SOP16 ★ SOP20 ★
CMS80F231x		48	2.1	5.5	16KB	1.25K	1K	18	-	12	18	2	2	5	Y	1	6	2	1	1	-	-	-	-	SOP16 SOP20
CMS80F253x		48	2.1	5.5	32KB	2.25K	1K	30	-	12	30	-	-	5	Y	1	6	2	1	1	Y	-	-	-	SOP28 LQFP32
CMS80F262x		48	2.1	5.5	64KB	4.25K	1K	46	-	12	23	2	-	5	Y	1	6	4	1	1	Y	Y	Y	Y	SOP28 LQFP32 LQFP44 LQFP48
BAT32G135B-A		64	1.8	5.5	64KB	8K	1.5K	41	24	12	35	2	2	8	Y	1	6	3	5+1	5+1	-	-	Y	Y	LQFP32 LQFP44
BAT32G137-A		48	2.0	5.5	128KB	12K	1.5K	58	40	12	16	2	2	9	Y	1	4+6	3	6	6+1	-	-	Y	Y	LQFP32 LQFP44 LQFP64
BAT32G139		64	1.8	5.5	256KB	32K	2.5K	75	40	12	21	2	2	17	Y	1	17	4	8	8+2	-	-	Y	Y	LQFP48 ★ LQFP64 ★ LQFP80 ★
CMS32F159		64	2.5	5.5	256KB	32K	3.5K	60	8	12	32	2	-	14	Y	1	16	6	6	6+2	-	-	Y	Y	LQFP44 LQFP48 LQFP64

家电产品线

IH电磁加热

Part No.	Core	Freq(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(b)	SRAM(B)	Data Flash(B)	GPIO	ADC		LDO	COMP	OPA/PGA	Timer	PWM	UART	SPI	IIC	PACKAGE
									Bit	Channel									
CMS79F53x		32	3.0	5.5	8K*16	336	128	17	12	17	-	8	1	3	3	1	1	1	SOP16 SOP20
CMS79F53x5 含LDO+IGBT驱动		32	3.0	5.5	8K*16	336	128	15	12	15	5V@100mA	8	1	3	3	1	1	1	SOP16 SOP20
CMS79F52x		16	3.0	5.5	4K*16	256	128	14	12	14	-	4	1	3	2	-	-	1	SOP16 DIP16
CMS79F52x5 含LDO+IGBT驱动		16	3.0	5.5	4K*16	256	128	12	12	12	5V@100mA	4	1	3	2	-	-	1	SOP16 DIP16



家电产品线

雾化器系列

Part No.	Core	Freq(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(b)	SRAM(B)	Data Flash(B)	GPIO	ADC		COMP	OPA	Timer	PWM	UART	PFG	Touch	PACKAGE
									Bit	Channel								
CMS79F51xx		16	1.8	5.5	4K*16	344	32	14	12	13	-	2	3	5	1	1	12	SOP8★ SOP16★
CMS79F52x9		16	2.0	5.5	4K*16	256	128	18	12	18	1	-	2	5	1	1	8	SOP8 SOP16 SOP20

家电产品线

显示驱动

Part No.	VDD(V)	Mode of comm	COMnx SEGn (Cathode common to ground)	COMnx SEGn (Anode common to power)	Key	PACKAGE
CMS1628	4.5-5.5	SPI	10x7-13x4	7x10	10x2	SOP28
CMS1668	4.5-5.5	SPI	10x7-13x4	7x10	10x2	SOP24
CMS1640	4.5-5.5	IIC Equivalen	8x16	16x8	-	SOP28
CMS1641	4.5-5.5	IIC Equivalen	8x8	8x8	-	SOP20 ★
CMS1650S	2.8-5.5	IIC	8x4-7x4	-	7x4	SOP16



通用产品线 32位超低功耗系列

Part No.	Core	Freq(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(B)	SRAM(B)	Data Flash(B)	GPIO	DMA	ADC				DAC		COMP	OPA	PGA	Timer	RTC	PWM	SCI (UART/SPI/IIC)	SPI	IIC	CAN 2.0B	LIN	USB 2.0 OTG	TFT LCD	Seg-LCD	I2S	QSPI	HW DIV	PACKAGE
										Bit	Mspss	Unit	Channel	Bit	Unit																		
BAT32G113		64	2.0	5.5	32K	4K	-	29	40	12	1.42	1	10	12	2	2	-	1	9	-	10	2	2+1	2+1	-	1	-	-	-	-	-	Y	QFN24 QFN32
BAT32G133B		64	2.0	5.5	32K	4K	1.5K	22	24	12	1.42	1	15	-	-	2	-	2	8	1	6	3	6	1	-	1	-	-	-	-	-	-	TSSOP20 SSOP24 QFN20 QFN24 ★
BAT32G135B		64	1.8	5.5	64K	8K	1.5K	45	24	12	1.42	1	35	-	-	2	-	2	8	1	6	3	1+5	1+5	-	1	-	-	-	-	-	-	QFN32 ★ QFN40 LQFP32 LQFP48
BAT32G127		32	1.8	5.5	128K	8K	2.5K	60	24	12	0.71	1	26	8	1	2	1	-	9	1	7	3	6+1	6+1	-	1	-	-	Y	-	-	-	QFN40 LQFP48 LQFP64
BAT32G137		48	2.0	5.5	128K	12K	1.5K	59	37	12	1.06	1	16	8	2	2	-	2	9	1	13	3	6	6+1	1	1	-	-	-	-	-	Y	LQFP32 QFN40 LQFP48 LQFP64
BAT32G139		64	1.8	5.5	256K	32K	2.5K	75	40	12	1.42	1	21	8	2	2	-	2	17	1	17	4	8	8+2	2	1	-	-	-	-	-	Y	LQFP48 LQFP64 LQFP80
BAT32G157		64	1.8	5.5	256K	32K	2.5K	58	40	12	1.42	1	33	-	-	2	-	1	12	1	10	3	3+2	3+2	-	1	1	Y	-	1	1	Y	LQFP48 LQFP64
BAT32G179		64	1.8	5.5	512K	64K	20K	93	40	12	1.42	1	28	8	2	2	-	2	17	1	17	4	8+2	8+2	3	1	-	Y	-	-	-	Y	LQFP64 LQFP80 LQFP100

通用产品线 32位系列

Part No.	Core	Freq(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(B)	SRAM(B)	Data Flash(B)	GPIO	DMA	ADC				COMP	OPA	PGA	Timer	RTC	WDT	PWM	SCI (UART/SPI/IIC)	UART	SPI	IIC	LCD	CAN	HW MUL	HW DIV	PACKAGE
										Bit	Msp/s	Unit	Channel																
CMS32F033		64	2.1	5.5	32K	8K	1K	30	-	12	1.2	1	30	2	2	2	2	-	2	6+4	-	2	1	1	-	-	Y	Y	QFN32 ★
CMS32F035		64	2.1	5.5	64K	8K	1K	46	-	12	1.2/0.1	2	20	2	2	2	4	-	2	4+4	-	2	1	1	-	-	Y	Y	LQFP48
CMS32L032		64	1.8	5.5	64K	4K	1K	22	-	12	0.5	1	20	-	-	-	8	1	1	6	2	-	1	1	-	-	Y	-	TSSOP20 SSOP24 QFN20 ★ QFN24
CMS32L051		64	1.8	5.5	64K	8K	1.5K	45	24	12	0.5	1	35	-	-	-	8	1	1	6	3	-	1	1	-	-	Y	-	QFN32 QFN40 LQFP32 LQFP48
CMS32F003*		48	2.1	5.5	16K	2K	1K	18	-	12	0.1	1	18	1	-	-	3	-	1	5	1	1	1	1	-	-	Y	-	TSSOP20 QFN20
CMS32C020		48	2.1	5.5	32K	4K	1K	22	3	12	0.5	1	22	2	-	-	6	-	2	11	1	2	1	1	-	-	Y	-	SSOP24 QFN24
CMS32C030		48	2.1	5.5	64K	8K	1K	30	3	12	0.5	1	30	2	-	-	6	-	2	11	1	2	1	1	-	-	Y	-	LQFP32 QFN32 QFN24
CMS32F040*		72	2.1	5.5	128K	16K	1K	44	8	12	0.5	1	44	2	2	-	6	-	2	11	1	4	1	1	Y	Y	Y	-	LQFP48 QFN40 QFN32

* Coming soon 2025/12

GPIO、ADC、COMP、OPA、PGA、UART、SPI、IIC的资源数量对应为该型号的最大封装

通用产品线 8位 8051系列

Part No.	Core	Freq(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(B)	SRAM(B)	Data Flash(B)	GPIO	ADC			COMP	OPA	PGA	Timer	LSE Timer	WDT	PWM	UART	SPI	IIC	LCD	LED	PACKAGE
									Bit	Ksps	Channel													
CMS8F003	8051	16	1.8	5.5	8K	0.5K	0.25K	18	12	62.5	18	1	-	-	2	-	1	5	1	1	1	-	-	TSSOP20 QFN20
CMS8S5880	8051	24	2.1	4.5	16K	0.75K	1K	18	12	100	18	-	-	-	5	-	1	6	2	1	1	-	-	TSSOP20 QFN20
CMS8S6990 CMS8S6990C	8051	48	2.1	5.5	16K	1.25K	1K	22	12	100	22	2	2	1	5	1	1	6	2	1	1	-	-	TSSOP20 SSOP24 QFN20 QFN24
CMS8S7885	8051	48	2.1	5.5	16K	1.25K	1K	22	12	100	22	2	-	-	5	1	1	4	1	1	1	Y	Y	SSOP24
CMS8S7895	8051	48	2.1	5.5	16K	1.25K	1K	26	12	100	26	2	-	-	5	1	1	4	1	1	1	Y	Y	SSOP28
CMS8S5887	8051	48	2.1	5.5	32K	2.25K	1K	18	12	100	18	-	-	-	5	1	1	6	2	1	1	-	-	TSSOP20 ★ QFN20 ★
CMS8S5889	8051	48	2.1	5.5	32K	2.25K	1K	30	12	100	30	-	-	-	5	1	1	6	2	1	1	-	-	QFN32
CMS8S006	8051	48	2.1	5.5	32K	2.25K	1K	30	12	320	30	2	2	1	5	1	2	6	2	1	1	-	-	TSSOP20 SSOP24 LQFP32 QFN24 QFN32

通用产品线 8位 RISC 系列

Part No.	Core	Freq(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(b)	SRAM(B)	EEPROM(B)	GPIO	ADC			COMP	OPA	Timer	PWM	UART	IIC	SPI	LCD 1/2Bias	LCD 1/3Bias	Touch CAP	PACKAGE
									Bit	Ksps	Channel											
SC8P051	RISC	16M	1.8	5.5	1K*14	64	-	5+1	-	-	-	1	-	2	3	-	-	-	-	-	-	SOP8
SC8P052B	RISC	16M	1.8	5.5	1K*14	64	-	5+1	-	-	-	1	-	1	3	-	-	-	-	-	-	SOT23-6 SOP8 ★
SC8P053	RISC	16M	1.8	5.5	1K*16	64	-	11+1	-	-	-	1	-	2	5	-	-	-	-	-	-	SOP14
SC8P054	RISC	16M	1.8	5.5	2K*16	128	-	13+1	-	-	-	1	-	2	5	-	-	-	-	-	-	SOP8 SOP14 SOP16
SC8P062B	RISC	16M	1.8	5.5	2K*16	176	-	14	12	-	13	1	-	2	5	-	-	-	-	-	-	SOT23-6 ★ SOP8 SOP14 SOP16 QFN16
SC8F052	RISC	16M	1.8	5.5	1K*14	64	128	6	-	-	-	1	-	2	3	-	-	-	-	-	-	SOT23-6 SOP8
SC8F054	RISC	16M	1.8	5.5	2K*16	176	128	14	-	-	-	1	-	2	5	-	-	-	-	-	-	SOP8 SOP14 SOP16
SC8F072	RISC	16M	1.8	5.5	2K*16	176	128	14	12	-	14	1	-	2	5	-	-	-	-	-	-	SOP8 SOP16 QFN16
SC8F073	RISC	16M	1.8	5.5	4K*16	256	128	18	12	-	18	2	-	3	5	1	-	-	-	-	-	SOP16 QFN16 QFN20

通用产品线 8位 RISC 系列

Part No.	Core	Freq.(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(b)	SRAM(B)	EEPROM(B)	GPIO	ADC			COMP	OPA	Timer	PWM	UART	IIC	SPI	LCD 1/2Bias	LCD 1/3Bias	Touch CAP	PACKAGE
									Bit	Ksps	Channel											
SC8F076	RISC	16M	1.8	5.5	8K*16	344	128	30	12	-	30	2	-	3	5	1	-	-	-	-	-	QFN24 QFN32
SC8F083	RISC	16M	1.8	5.5	4K*16	256	128	18	12	-	18	2	-	3	5	1	-	-	-	-	7	SOP8 SOP16 TSSOP20 QFN20
SC8F092	RISC	16M	1.8	5.5	4K*16	256	128	14	12	-	14	-	2	2	5	1	1	1	-	-	7	SOP16
SC8F093	RISC	16M	1.8	5.5	4K*16	336	128	18	12	-	18	-	2	3	5	1	1	1	Y	Y	8	TSSOP20 QFN20
SC8F096	RISC	16M	1.8	5.5	8K*16	344	128	30	12	-	30	2	1	3	5	2	1	-	Y	Y	15	QFN20 QFN24 SSOP24 QFN32
SC8P8022	RISC	16M	1.8	5.5	1K*14	128	-	6	-	-	-	1	-	2	5	-	-	-	-	-	4	SOT23-6★ SOP8
SC8P8122	RISC	16M	1.8	5.5	2K*14	128	-	6	-	-	-	1	-	2	5	-	-	-	-	-	4	SOT23-6★ SOP8
SC8F8222	RISC	16M	1.8	5.5	2K*16	176	128	6	12	-	6	2	-	3	5	1	-	-	-	-	5	SOP8

电机产品线

CMS8M3系列

Part No.	Core	Freq(MHz)	Code Flash (B)	SRAM(B)	Data Flash (B)	Integrated Gate Driver	HW MUL	HW DIV	GPIO	12-Bit ADC 100ksps	OPA	PGA	Comp	EPWM	Timer	UART	IIC	SPI	Temperature Sensor	CRC	WDT	CAN	LIN	PACKAGE	Application
CMS8M3310		16	16K	768	256	-	-	-	22	1	-	1	2	6	4	1	-	-	-	-	1	-	-	SSOP24	电动工具
CMS8M3510		48	16K	1.25K	1K	-	-	-	22	1	2	1	2	6	5	2	1	1	-	-	1	-	-		

电机产品线

CMS32M5/6系列

Part No.	Core	Freq(Mhz)	Code Flash(B)	SRAM(B)	Data Flash(B)	Integrated Gate Driver	HW MUL	HW DIV	GPIO	12-Bit ADC 1.2Mps	12-Bit ADC 100Kps	OPA	PGA	Comp	EPWM	Timer	UART	IIC	SPI	Temperature Sensor	CRC	WDT	WWDT	CAN	Floating GateVoltage(V)	LDO(V)	PACKAGE	Application	
CMS32M5533E		64	32K	8K	1K	6N	1	1	24	1	1	2	2	2	6	2	2	1	1	-	1	1	1	-	5-20	200	-	LQFP48 QFN40	电动工具 吸尘器
CMS32M6536E		64	64K	8K	1K	6N	1	1	16	-	1	-	3	2	6	6	1	1	1	1	1	1	1	-	5-20	200	-	QFN32	强排 吸尘器
CMS32M6534E		64	64K	8K	1K	6N	1	1	17	-	1	-	3	2	6	6	1	1	1	1	1	1	1	-	5-20	200	5+12	QFN40	电动工具
CMS32M6710		72	128K	12K	1K	-	1	1	46	-	1	-	4	2	8	6	2	1	1	1	1	1	1	-	-	-	-	LQFP48	高速风筒 清洁电器
CMS32M6736E		72	128K	12K	1K	6N	1	1	32	-	1	-	4	2	6	6	2	1	1	1	1	1	1	-	5-20	200	-	LQFP48	园林工具
CMS32M6734E		72	128K	12K	1K	6N	1	1	26	-	1	-	3	2	6	6	2	1	1	1	1	1	1	-	5-20	200	5+12	LQFP48	电动工具

电机产品线

CMS32M5/6系列

一站式配套产品 - 双路输出LDO

Part No.	Operating Voltage	Standby current	Quiescent Current	Enable Maintain	12V output precision	12V output operating current	12V output voltage difference	12V PSRR	5V output precision	5V output operating current	5V PSRR	Temperature Protections	PACKAGE	Application
CMS6021	9V-36V	0uA	2.5mA	Y	11V-12.5V	60mA	300mV/0.1A	60dB	5V±2%	30mA	60dB	160°C	ESOP8	电动工具
CMS6021B	6V~36V	0uA	1.2mA	Y	11.8V-12.2V	60mA	250mV/0.06A	60dB	5V±1%	30mA	60dB	160°C	ESOP8	电动工具

一站式配套产品 - N/N栅极驱动

Part No.	Operating Voltage	Vs Voltage	IO+/IO-	Input Logic	VCC (UV+/UV-)	VBS (UV+/UV-)	Driver Power Transistor Type	Dead time	Direct Current Preventio	Enable shutdown	Output Chanel	LDO	PACKAGE	Application
CMS6164	8V-20V	200V	+1.1A/-2.0A	HIN/LIN	6.8V/6.2V	6.8V/6.2V	6N	310ns	Y	-	6	-	TSSOP20	电动工具
CMS6D180	6V~36V	200V	+0.82A/-0.93A	HIN/LIN	4.2V/3.8V	3.8V/3.5V	6N	360ns	Y	-	6	5V+12V	SSOP24	电动工具



电机产品线

CMS32M6系列 低压应用

Part No.	Core	Freq(MHz)	Code Flash (B)	SRAM(B)	Data Flash (B)	Integrated Gate Driver	HW MUL	HW DIV	GPIO	SCH	12-Bit ADC 1.2Mps	OPA	PGA	Comp	EPWM	Timer	UART	IIC	SPI	Temperature Sensor	CRC	WDT	WWDI	DriverVoltage (V)	LDO (V)	PACKAGE	Application
CMS32M6510		64	64K	8K	1K	-	1	1	14	-	1	-	3	2	4	6	1	1	1	1	1	1	1	-	-	SOP16	空净/落地扇
CMS32M6512C		64	64K	8K	1K	-	1	1	12	-	1	-	3	1	6	6	1	1	1	1	1	1	1	-	5	SOP16★	
CMS32M6510		64	64K	8K	1K	-	1	1	18	-	1	-	3	2	6	6	1	1	1	1	1	1	1	-	-	QFN20	电动牙刷
CMS32M6510		64	64K	8K	1K	-	1	1	22	-	1	-	3	2	6	6	1	1	1	1	1	1	1	-	-	SSOP24	低压吊扇
CMS32M6526		64	64K	8K	1K	3P+3N	1	1	7	-	1	-	3	2	6	6	1	1	1	1	1	1	1	9-36	5	SOP16	
CMS32M6526		64	64K	8K	1K	3P+3N	1	1	14	-	1	-	3	2	6	6	1	1	1	1	1	1	1	9-36	5	SSOP24	
CMS32M6526C		64	64K	8K	1K	3P+3N	1	1	14	-	1	-	3	2	6	6	1	1	1	1	1	1	1	5-36	5	SSOP24	低压水泵
CMS32M6526C		64	64K	8K	1K	3P+3N	1	1	14	-	1	-	3	2	6	6	1	1	1	1	1	1	1	5-36	5	QFN24	三相散热风扇 扫地机

电机产品线

CMS32M6系列 低压应用

一站式配套产品 - 半桥P/N型IPM

Part No.	Operating Voltage	Input Logic	ID@12V	UnderVoltage (UV+/UV-)	Standby Current	Characteristic	RDS(on) Source + Sink MOS	Direct Current Prevention	Over Current Protection	Over Temperature Protection	Dynamic Deadband	EMI	PACKAGE	Application
CMS3D205	5V~40V	PWM/EN	5A	4.5V/4.3V	0uA	Driver+Mosfet	60mΩ	Y	N	N	Y	N	SOP8 ★	空净/落地扇 低压吊扇 低压水泵
CMS3D206C	5V~30V	PWM/EN	5A	4.1V/3.5V	0uA	Driver+Mosfet	48mΩ	Y	N	N	Y	Y	SOP8 ★	
CMS3D214B	5V~40V	PWM/EN	5A	4.0V/3.5V	0uA	Driver+Mosfet	48mΩ	Y	N	N	Y	Y	SOP8 ★	

一站式配套产品 - P/N栅极驱动

Part No.	Operating Voltage	VBB Voltage	LO IO+/IO-	HO IO+/IO-	Input Logic	Under Voltage (UV+/UV-)	Driver Power Transistor Type	Dead time	Direct Current Preventio	Over Temperature Protection	LDO	Output Chanel	PACKAGE	Application
CMS6971	9V-36V	40V	+0.05A/-0.26A	+0.30A/-0.06A	HIN/LIN	8.5V/8.0V	P/N	300ns	Y	-	5V/60mA	6	SOP16	低压落地扇



电机产品线

CMS32M6系列 高压应用

Part No.	Core	Freq(MHz)	Code Flash (B)	SRAM(B)	Data Flash (B)	Integrated Gate Driver	HW MUL	HW DIV	GPIO	SCH	12-Bit ADC 1.2Mps	12-Bit ADC 375Ksps	OPA	PGA	Comp	EPWM	Timer	UART	IIC	SPI	Temperature Sensor	CRC	WDT	WWDT	Driver current (V)	Floating GateVoltage(V)	LDO (V)	PACKAGE	Application
CMS32M6510		64	64K	8K	1K	-	1	1	22	-	1	-	-	3	2	6	6	1	1	1	1	1	1	1	-	-	-	SSOP24	冰箱压缩机 油烟机 洗衣机 高压水泵
CMS32M6610*		64	32K	8K	1K	-	1	1	26	-	1	-	-	3	2	6	6	1	1	1	1	1	1	1	-	-	-	SSOP28	高速风筒
CMS32M6310		48	64K	8K	1K	-	1	-	22	-	-	1	-	-	2	6	6	2+1	1+1	1+1	-	1	1	1	-	-	-	SSOP24	
CMS32M6539		64	64K	8K	1K	6N	1	1	17	-	1	-	-	3	2	6	6	1	1	1	1	1	1	1	10-20	600	5V	LQFP48	破壁机 高压风机

一站式配套产品 - 栅极驱动

Part No.	Operating Voltage	Vs tolerance	IO+/IO-	Input Logic	VCC (UV+/UV-)	VBS (UV+/UV-)	Driver Power Transistor Type	Dead time	Direct Current Prevention	Enable shutdown	Output pin	PACKAGE	Application
CMS6D220	10V-20V	600V	+0.21A/-0.41A	HIN/LIN	8.8V/8.2V	8.8V/8.2V	2N	350ns	Y	-	2	SOP8	高速风筒
CMS6D222	10V-20V	600V	+0.21A/-0.43A	HIN/LIN	8.8V/8.2V	4V/3.7V	2N	350ns	Y	-	2	SSOP10	高速风筒
												SOP8	高压风机

一站式配套产品 - LDO

Part No.	Operating Voltage	Output Voltage	OutPut Accuracy	Supply Current	Standby Current	Temperature Protections	PACKAGE	Application
CMS78L50	≤40V	5V	±2%	150mA	3.2uA	180℃	SOT23-3/SOT89-3	冰箱压缩机 油烟机 洗衣机 高压水泵

* Coming soon 2025/10

电机产品线

CMS32M7系列

Part No.	Core	Freq(MHz)	Code Flash (B)	SRAM(B)	Data Flash (B)	Integrated Gate Driver	HW MUL	HW DIV	GPIO	12-Bit ADC 1.42Msps	12-Bit ADC 100ksps	OPA	PGA	Comp	EPWM	Timer	UART	IIC	SPI	Temperature Sensor	CRC	WDT	CAN	LIN	PACKAGE	Application
CMS32M7510		128	256K	64K	4K	-	1	1	51	-	3	-	4	4	10	20	4	10	10	1	1	2	2	1	LQFP64★	双向储能 工业风机水泵

IOT产品线

信号链MCU系列

Part No.	Core	Freq(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(B)	SRAM(B)	Data Flash(B)	GPIO	ADC		DAC		Sigma Delta ADC	COMP	OPA	PGA	Timer	WDT	PWM	RTC	UART	SPI	IIC	LED	LCD	HWMUL	HWDIV	PACKAGE	Application
									Bit	Channel	Bit	Unit																	
CMS8H5120	8051	24	2.1	5.5	32K	4.25K	1K	22	12	22	6	2	-	2	4	1	5	1	6	-	2	1	1	-	-	-	-	SSOP24 ★	血氧仪
CMS8H1211	RISC	8	2.4	4.5	8K*16	344	128	10	12	2	-	-	1x24bit	-	-	-	2*8bit	1	-	1	1	-	-	8*8	-	-	-	SOP16 ★	LED秤
CMS8H1213B	RISC	8	2.4	4.5	8K*16	344	128	18	12	5	-	-	1x24bit	-	-	-	2*8bit	1	2	1	1	-	-	8*8 4*12	-	-	-	SSOP24	LED秤
CMS8H1215	RISC	8	2.4	4.5	8K*16	344	128	25	12	8	-	-	2x24bit	-	-	-	2*8bit	1	2	1	1	-	-	8*8 4*12	-	-	-	QFN32	充气泵 LED秤
CMS8H1205B	RISC	8	2.4	4.5	4K*16	256	128	12	12	5	-	-	2x24bit	-	-	-	2*8bit	1	-	1	1	-	-	-	4*15	-	-	QFN32 ★	LCD秤 测温枪
CMS8H120D	RISC	8	2.4	4.5	4K*16	256	128	12	12	5	-	-	2x24bit	-	-	-	2*8bit	1	-	1	1	-	-	-	4*20	-	-	BONDING	LCD秤 测温枪
CMS8H1225	RISC	8	2.4	4.5	8K*16	976	128	19	12	6	-	-	1x24bit	-	-	-	3*8bit	1	2	1	1	1	-	8*7	4*18 6*16	Y	Y	QFN32 ★	秤 气泵
CMS8H3415	RISC	8	2.4	4.5	8K*16	976	128	16	12	6	-	-	1x24bit	-	-	-	3*8bit	1	1	1	1	-	-	8*8	-	Y	Y	QFN32	交流体脂秤
CMS8H3416	RISC	8	2.4	4.5	8K*16	976	128	24	12	8	-	-	1x24bit	-	-	-	3*8bit	1	2	1	1	1	-	8*8 4*12	4*23 6*21	Y	Y	LQFP48 ★	交流体脂秤
CMS32H6241	ARM-MO+	64	1.8	4.4	64K	256B+4K	1k	11	12	9	-	-	1x24bit	-	-	-	8	1	2	1	2	1	1	-	-	-	-	SOP16 ★	台秤
CMS8H5145	8051	24	2.5	4.4	64K	4.25K	1K	38	12	16	-	-	2x24bit	2	2	1	5	1	6	1	4	1	1	Y	Y	Y	Y	LQFP48 ★	血压计 仪表测量
CMS32H6157	ARM-MO+	32	1.8	4.4	128K	8K	2.5K	54	12	26	8	1	1x24bit	2	1	0	16	1	7	1	3	2+1	2+1	-	4*36 6*34 8*32	Y	Y	LQFP64	血压计

IOT产品线

信号链ADC系列

Part No.	Channel	VDD(V)	SPI	PGA	OSC	Resolution (Bits)	Output rate	Effective Resolution (Bits)	Built-in LDO(V)	Temp(°C)	Type	PACKAGE
CMS24AD2001	1	2.5-4.4	Dual line	Y	INTRC	24	2.5Hz-2.56KHz	20.6	2.4/2.6/3.0/3.3	-40-85	Single channel high-precision ADC	SOP8
CMS24AD2002	2	2.5-4.4	Dual line	Y	INTRC	24	2.5Hz-2.56KHz	20.6	2.4/2.6/3.0/3.3	-40-85	Dual channel high-precision ADC	SOP14 ★

IOT产品线 低功耗电源系列

Part No.	Input Voltage	Output Voltage	Operating Current	Quiescent Current	Output precision	PACKAGE
CMS75xx	3V-22V	3.3-3.6V	150mA	2uA	±1%	SOT23-3 SOT89-3
CMS78L50	6V-40V	5V	150mA	3.2uA	±2%	SOT23-3 SOT89-3



汽车电子产品线 车规系列

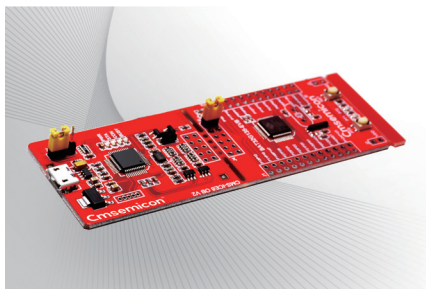
Part No.	Core	Freq(MHz)	Min Voltage(V)	Max Voltage(V)	Code Flash(B)	SRAM(B)	Data Flash(B)	GPIO	DMA	ADC				DAC		COMP	PGA	Timer	RTC	WDT	UART	SPI	IIC	CAN 2.0B	LIN	TFT LCD	HW MUL	HW DIV	AEC-Q100 Grade Level	PACKAGE
										Bit	Msp	Unit	Channel	Bit	Unit															
BAT32A233		64	2.0	5.5	32K	4K	-	29	40	12	1.42	1	10	12	2	2	1	9	-	1	2	2+1	2+1	-	1 LIN2. 2a	-	Y	Y	Grade 1	QFN24 QFN32 LQFP32
BAT32A237		48	2.0	5.5	128K	12K	1.5K	59	37	12	1.06	1	16	8	2	2	2	9	1	1	3	6	6+1	1	UART0/LIN	-	Y	Y	Grade 1	LQFP32 QFN40 LQFP48 LQFP64
BAT32A239		64	2.0	5.5	256K	32K	2.5K	75	37	12	1.42	1	21	8	2	2	2	17	1	1	4	8	8+2	2	UART0/LIN	-	Y	Y	Grade 1	QFN48 LQFP48 LQFP64 LQFP80
BAT32A279		64	2.0	5.5	512K	64K	20K	93	40	12	1.42	1	28	8	2	2	2	17	1	1	4	8+2	8+2	3	UART0/LIN	Y	Y	Y	Grade 1	LQFP64 LQFP80 LQFP100
BAT32A337		48	2.0	5.5	128K	16K	1.5K	59	37	12	1.06	1	16	8	2	2	2	9	1	1	3	6	6+1	1	UART0/LIN	-	Y	Y	Grade 0	LQFP32 LQFP48 LQFP64 QFN40
BAT32A255*		64	2.5	5.5	64K	8K	6K	45	39	12	1.78	1	15	12	2	2	1	9	1	2	2	4+1	4+1	-	1 LIN2. 2a	-	Y	Y	Grade 1	QFN24 QFN40 LQFP32 LQFP48
BAT32A259*		80	2.5	5.5	256K	32K	6K	75	47	12	1.78	1	21	12	2	2	1	17	1	2	4	8	8+2	2 CAN FD	1 LIN2. 2a	-	Y	Y	Grade 1	QFN48 LQFP48 LQFP64 LQFP80
BAT32A6300		64	5.5	28	32K	4K	-	26	40	12	1.42	1	10	12	2	2	1	9	-	1	2	2+1	2+1	-	LIN2.2a LDO+LIN PHY	-	Y	Y	Grade 1	QFN32
BAT32A6700		48	5.5	28	128K	12K	1.5K	41	36	12	1.06	1	15	8	2	2	2	9	1	1	3	3	3+1	1	UART0/LIN LDO+LIN PHY	-	Y	Y	Grade 1	QFN48

* Coming soon 2025/09

GPIO、ADC、COMP、OPA、PGA、UART、SPI、IIC的资源数量对应为该型号的最大封装

开发支持

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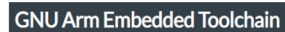


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