

ATSAM4CMS8CA-AU



Part Number: [ATSAM4CMS8CA-AU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 100LQFP

Data sheet:  [SAM4CM Series Datasheet](#)
 [Smart Energy Solutions Guide](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	ATSAM4CMS8CA-AU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 512KB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4525 pcs	Data sheet	SAM4CM Series Datasheet Smart Energy Solutions Guide
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V
Supplier Device Package	100-LQFP (14x14)	Speed	120MHz
Series	SAM4CM	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Packaging	Tray
Package / Case	100-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	57
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4F SAM4CM Microcontroller IC 32-Bit Dual-Core 120MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)
Data Converters	A/D 6x10b	Core Size	32-Bit Dual-Core
Core Processor	ARM® Cortex®-M4F	Connectivity	EBI/EMI, I²C, IrDA, SPI, UART/USART
Base Part Number	ATSAM4CMS8		
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	Part#: ATSAM4CMS8CB-AU Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4CP16C-AHU-Y Description: IC MCU 32BIT 1MB FLASH 176LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4CMS4CB-AU Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAM4CMS8CC-AU Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAM4CMS16CC-AUR Description: IC MCU 32BIT 1MB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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