



Micrel / Microchip Technology

## ATSAM4CP16C-AHU-Y

Part Number:	ATSAM4CP16C-AHU-Y
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 32BIT 1MB FLASH 176LQFP
Datasheets:	<a href="#">1.ATSAM4CP16C-AHU-Y.pdf</a> <a href="#">2.ATSAM4CP16C-AHU-Y.pdf</a>
RoHs Status:	Lead free / RoHS Compliant
Stock Condition:	6505 pcs stock
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of ATSAM4CP16C-AHU-Y

PART NUMBER	ATSAM4CP16C-AHU-Y
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 32BIT 1MB FLASH 176LQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	6505 pcs
DATA SHEET	<a href="#">1.ATSAM4CP16C-AHU-Y.pdf</a> <a href="#">2.ATSAM4CP16C-AHU-Y.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.08 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	176-LQFP (24x24)
SPEED	120MHz
SERIES	SAM4CP
RAM SIZE	152K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	1MB (1M x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	176-LQFP
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	69
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M4/M4F SAM4CP Microcontroller IC 32-Bit Dual-Core 120MHz 1MB (1M x 8) FLASH 176-LQFP (24x24)
DATA CONVERTERS	A/D 8x10b
CORE SIZE	32-Bit Dual-Core
CORE PROCESSOR	ARM® Cortex®-M4/M4F
CONNECTIVITY	I <sup>2</sup> C, IrDA, SPI, UART/USART
BASE PART NUMBER	ATSAM4CP16

### Related Tags

Micrel / Microchip Technology ATSAM4CP16C-AHU-Y	ATSAM4CP16C-AHU-Y Distributor	ATSAM4CP16C-AHU-Y Supplier
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### Related Products

<p><b>ATSAM4CMS8CC-AUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 100LQFP                  In stock: 14926 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAM4E16CA-AN</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 100LQFP                  In stock: 13592 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAM4E16CA-AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 100LQFP                  In stock: 11241 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAM4CMS8CB-AUR</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 100LQFP                  In stock: 7507 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAM4CMS8CB-AUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 100LQFP                  In stock: 14042 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAM4E-EK</b>                  Manufacturers: Micrel / Microchip Technology                  Description: EVAL KIT FOR SAM4E CORTEX                  In stock: 355 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAM4CMS8CC-AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 100LQFP                  In stock: 16055 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAM4CP16C-EK</b>                  Manufacturers: Micrel / Microchip Technology                  Description: EVAL KIT FOR SAM4CP16C                  In stock: 177 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAM4E-XPRO</b>                  Manufacturers: Micrel / Microchip Technology                  Description: SAM4E XPLAINED PRO EVAL KIT                  In stock: 960 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAM4E16CA-ANR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 100LQFP                  In stock: 10953 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAM4CP16B-AHU-Y</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 176LQFP                  In stock: 5724 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAM4CP16B-EK</b>                  Manufacturers: Micrel / Microchip Technology                  Description: EVAL KIT FOR SAM4CP16B                  In stock: 185 pcs  <a href="#">RFQ</a></p>

