



Micrel / Microchip Technology

## ATMEGA2560-16AI

Part Number:	ATMEGA2560-16AI
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 8BIT 256KB FLASH 100TQFP
Datasheets:	<a href="#">1. ATMEGA2560-16AI.pdf</a> <a href="#">2. ATMEGA2560-16AI.pdf</a>
RoHs Status:	Contains lead / RoHS non-compliant
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 ATMEGA2560-16AI

PART NUMBER	ATMEGA2560-16AI
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 8BIT 256KB FLASH 100TQFP
LEAD FREE STATUS / ROHS STATUS	Contains lead / RoHS non-compliant
DATA SHEET	<a href="#">1. ATMEGA2560-16AI.pdf</a> <a href="#">2. ATMEGA2560-16AI.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	4.5 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	100-TQFP (14x14)
SPEED	16MHz
SERIES	AVR® ATmega
RAM SIZE	8K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	256KB (128K x 16)
PERIPHERALS	Brown-out Detect/Reset, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	100-TQFP
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	86
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Contains lead / RoHS non-compliant
EEPROM SIZE	4K x 8
DETAILED DESCRIPTION	AVR AVR® ATmega Microcontroller IC 8-Bit 16MHz 256KB (128K x 16) FLASH 100-TQFP (14x14)
DATA CONVERTERS	A/D 16x10b
CORE SIZE	8-Bit
CORE PROCESSOR	AVR
CONNECTIVITY	EBI/EMI, I <sup>2</sup> C, SPI, UART/USART
BASE PART NUMBER	ATMEGA2560

### Related Tags

Micrel / Microchip Technology ATMEGA2560-16AI	ATMEGA2560-16AI Distributor	ATMEGA2560-16AI Supplier
ATMEGA2560-16AI Price	ATMEGA2560-16AI Pictures	ATMEGA2560-16AI Image
ATMEGA2560-16AI PDF Datasheet	ATMEGA2560-16AI Download Datasheet	ATMEGA2560-16AI Datasheet
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### Related Products

<p><b>ATMEGA16U4-MUR</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 8BIT 16KB FLASH 44QFN                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATMEGA2560R212-AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 100-TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATMEGA16U4-MUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 16KB FLASH 44QFN                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATMEGA16U4-AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 16KB FLASH 44TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATMEGA16U2-MUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 16KB FLASH 32VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATMEGA16U4-AUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 16KB FLASH 44TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATMEGA2560-16CU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 256KB FLASH 100CBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATMEGA2560-16AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 256KB FLASH 100TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATMEGA2560-16CUR</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 8BIT 256KB FLASH 100CBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATMEGA2560-16AUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 256KB FLASH 100TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATMEGA2560-16CUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 256KB FLASH 100CBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATMEGA16U4-MU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 16KB FLASH 44QFN                  In stock: Out stock  <a href="#">RFQ</a></p>

