



Image may be representation.
See specifications for product details.



ATXMEGA256A3-MH

Manufacturer Part Number	ATXMEGA256A3-MH
Manufacturer	Atmel
Allelco Part Number	32D-ATXMEGA256A3-MH
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8/16BIT 256KB FLASH 64QFN
Package	64-VFQFN Exposed Pad
Data sheet	ATXMEGA256A3-MH.pdf

Get a Quote

ATXMEGA256A3-MH - Atmel.New Original in Stock. Download Linear Technology ATXMEGA256A3-MH datasheet/specifications on AllelcoElec.com.
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Specifications

ATXMEGA256A3-MH Tech Specifications
ATXMEGA256A3-MH - Atmel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Atmel	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.6V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-QFN (9x9)	Number of I/O	50
Speed	32MHz	Mounting Type	Surface Mount
Series	AVR® XMEGA® A3	EEPROM Size	4K x 8
RAM Size	16K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	8/16-Bit
Program Memory Size	256KB (128K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I ² C, IrDA, SPI, UART/USART
Package / Case	64-VFQFN Exposed Pad	Base Product Number	ATXMEGA256
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATXMEGA256A3-MH

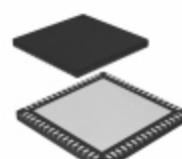
Product Attribute				
Part Number	ATXMEGA256A3-MH	ATXMEGA256A3U-AU	ATXMEGA256A3BU-MHR	ATXMEGA256A3-AU
Manufacturer	Atmel	Microchip Technology	Microchip Technology	Microchip Technology
Number of I/O	50	50	47	50
Supplier Device Package	64-QFN (9x9)	64-TQFP (14x14)	64-QFN (9x9)	64-TQFP (14x14)
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	ATXMEGA256	ATXMEGA256	ATXMEGA256	ATXMEGA256
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
RAM Size	16K x 8	16K x 8	16K x 8	16K x 8
Core Processor	AVR	AVR	AVR	AVR
Core Size	8/16-Bit	8/16-Bit	8/16-Bit	8/16-Bit
Series	AVR® XMEGA® A3	AVR® XMEGA® A3U	AVR® XMEGA® A3BU	AVR® XMEGA® A3
Package / Case	64-VFQFN Exposed Pad	64-TQFP	64-VFQFN Exposed Pad	64-TQFP
Connectivity	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART, USB	I ² C, IrDA, SPI, UART/USART, USB	I ² C, IrDA, SPI, UART/USART
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
EEPROM Size	4K x 8	4K x 8	4K x 8	4K x 8
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Voltage - Supply (Vcc/Vdd)	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V
Package	Bulk	Tray	Tape & Reel (TR)	Tray
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	256KB (128K x 16)	256KB (128K x 16)	256KB (128K x 16)	256KB (128K x 16)
Speed	32MHz	32MHz	32MHz	32MHz

Customers Also Interested in

Recommended Products



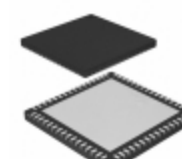
ATXMEGA256A3U-AU
Microchip Technology
IC MCU 8/16BIT 256KB FLSH 64TQFP



ATXMEGA256A3BU-MHR
Microchip Technology
IC MCU 8/16BIT 256KB FLASH 64QFN



ATXMEGA256A3-AU
Microchip Technology
IC MCU 8/16BIT 256KB FLSH 64TQFP



ATXMEGA192C3-MH
Microchip Technology
IC MCU 8/16BIT 192KB FLASH 64QFN



ATXMEGA192C3-MH
Atmel
IC MCU 8/16BIT 192KB FLASH 64QFN



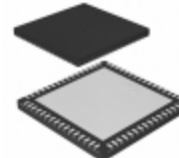
ATXMEGA256A3U-AN
Microchip Technology
IC MCU 8/16BIT 256KB FLSH 64TQFP

**ATXMEGA256A3-AUR**

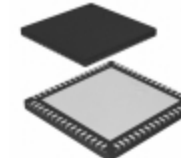
Atmel
IC MCU 8/16BIT 256KB FLSH
64TQFP

**ATXMEGA256A3U-AUR**

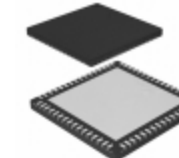
Microchip Technology
IC MCU 8/16BIT 256KB FLSH
64TQFP

**ATXMEGA256A3-MH**

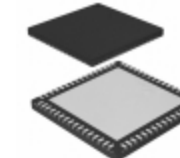
Microchip Technology
IC MCU 8/16BIT 256KB FLASH
64QFN

**ATXMEGA256A3B-MH**

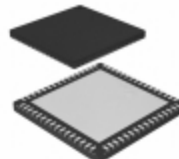
Microchip Technology
IC MCU 8/16BIT 256KB FLASH
64QFN

**ATXMEGA192D3-MHR**

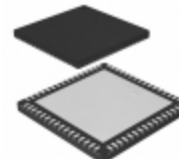
Microchip Technology
IC MCU 8/16BIT 192KB FLASH
64QFN

**ATXMEGA256A3U-MH**

Microchip Technology
IC MCU 8/16BIT 256KB FLASH
64QFN

**ATXMEGA192D3-H**

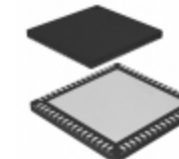
Atmel (Microchip Technology)

**ATXMEGA256A3BU-MH**

Microchip Technology
IC MCU 8/16BIT 256KB FLASH
64QFN

**ATXMEGA192D3-MH**

Microchip Technology
IC MCU 8/16BIT 192KB FLASH
64QFN

**ATXMEGA256A3-AUR**

Microchip Technology
IC MCU 8/16BIT 256KB FLSH
64TQFP

**ATXMEGA256A3U-MHR**

Microchip Technology
IC MCU 8/16BIT 256KB FLASH
64QFN

ATXMEGA256A3BU-AU

Microchip Technology
IC MCU 8/16BIT 256KB FLSH
64TQFP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



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