

Image may be representation.
See specifications for product details.



ATXMEGA16A4-AU

Manufacturer Part Number	ATXMEGA16A4-AU
Manufacturer	Atmel
Allelco Part Number	32D-ATXMEGA16A4-AU
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8/16BIT 16KB FLASH 44TQFP
Package	44-TQFP
Data sheet	ATXMEGA16A4-AU.pdf

Get a Quote

ATXMEGA16A4-AU - Atmel.New Original in Stock. Download Linear Technology ATXMEGA16A4-AU datasheet/specifications on AllelcoElec.com.
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Specifications

ATXMEGA16A4-AU Tech Specifications
ATXMEGA16A4-AU - 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	44-TQFP (10x10)	Number of I/O	34
Speed	32MHz	Mounting Type	Surface Mount
Series	AVR® XMEGA® A4	EEPROM Size	1K x 8
RAM Size	2K x 8	Data Converters	A/D 12x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	8/16-Bit
Program Memory Size	16KB (8K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I ² C, IrDA, SPI, UART/USART
Package / Case	44-TQFP	Base Product Number	ATXMEGA16
Package	Bulk		

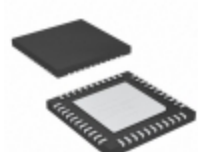
Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATXMEGA16A4-AU

Product Attribute				
Part Number	ATXMEGA16A4-AU	ATXMEGA128D4-MHR	ATXMEGA16A4-CU	ATXMEGA128D4-AUR
Manufacturer	Atmel	Microchip Technology	Atmel	Microchip Technology
Speed	32MHz	32MHz	32MHz	32MHz
Series	AVR® XMEGA® A4	AVR® XMEGA® D4	AVR® XMEGA® A4	AVR® XMEGA® D4
Voltage - Supply (Vcc/Vdd)	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	2K x 8	8K x 8	2K x 8	8K x 8
Package / Case	44-TQFP	44-VFQFN Exposed Pad	49-VFBGA	44-TQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Connectivity	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART
EEPROM Size	1K x 8	2K x 8	1K x 8	2K x 8
Number of I/O	34	34	34	34
Program Memory Size	16KB (8K x 16)	128KB (64K x 16)	16KB (8K x 16)	128KB (64K x 16)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Core Size	8/16-Bit	8/16-Bit	8/16-Bit	8/16-Bit
Data Converters	A/D 12x12b; D/A 2x12b	A/D 12x12b	A/D 12x12b; D/A 2x12b	A/D 12x12b
Base Product Number	ATXMEGA16	ATXMEGA128	ATXMEGA16	ATXMEGA128
Core Processor	AVR	AVR	AVR	AVR
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	44-TQFP (10x10)	44-VQFN (7x7)	49-VFBGA (5x5)	44-TQFP (10x10)
Package	Bulk	Tape & Reel (TR)	Bulk	Tape & Reel (TR)

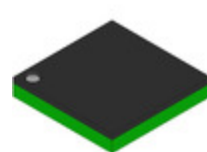
Customers Also Interested in

Recommended Products



ATXMEGA128D4-MHR

Microchip Technology
IC MCU 8/16BIT 128KB FLSH
44VQFN



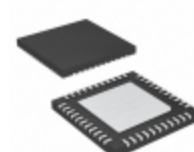
ATXMEGA16A4-CU

Atmel
IC MCU 8/16BIT 16KB FLSH
49VFBGA



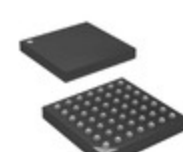
ATXMEGA128D4-AUR

Microchip Technology
IC MCU 8/16BIT 128KB FLSH
44TQFP



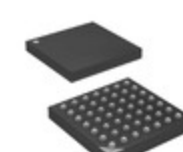
ATXMEGA16A4-MH

Microchip Technology
IC MCU 8/16BIT 16KB FLASH
44VQFN



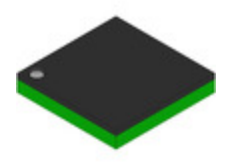
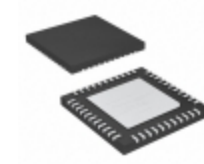
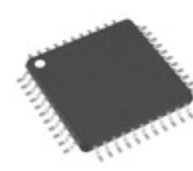
ATXMEGA16A4-CU

Microchip Technology
IC MCU 8/16BIT 16KB FLSH
49VFBGA



ATXMEGA16A4U-CUR

Microchip Technology
IC MCU 8/16BIT 16KB FLSH
49VFBGA



ATXMEGA128D4-AU

Microchip Technology
IC MCU 8/16BIT 128KB FLSH
44TQFP

ATXMEGA16A4U-AU

Atmel
IC MCU 8/16BIT 16KB FLASH
44TQFP

ATXMEGA128D4-N

Atmel (Microchip Technology)

ATXMEGA16A4-AU

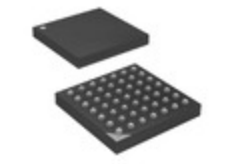
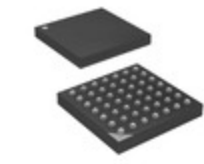
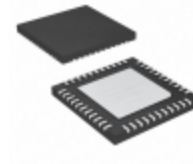
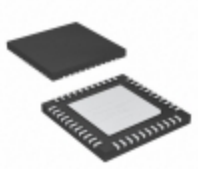
Microchip Technology
IC MCU 8/16BIT 16KB FLASH
44TQFP

ATXMEGA128D4-M7

Microchip Technology
IC MCU 8/16BIT 128KB FLSH
44VQFN

ATXMEGA16A4U-CU

Atmel
IC MCU 8/16BIT 16KB FLSH
49VFBGA



ATXMEGA16A4U-MH

Microchip Technology
IC MCU 8/16BIT 16KB FLASH
44VQFN

ATXMEGA16A4U-AU

Microchip Technology
IC MCU 8/16BIT 16KB FLASH
44TQFP

ATXMEGA128D4-AN

Microchip Technology
IC MCU 8/16BIT 128KB FLSH
44TQFP

ATXMEGA128D4-MH

Microchip Technology
IC MCU 8/16BIT 128KB FLSH
44VQFN

ATXMEGA16A4U-CU

Microchip Technology
IC MCU 8/16BIT 16KB FLSH
49VFBGA

ATXMEGA128D4-CU

Microchip Technology
IC MCU 8/16BIT 128KB FLSH
49VFBGA

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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Contact us

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