

Image may be representation.
See specifications for product details.



ATMEGA16-16MU

Manufacturer Part Number	ATMEGA16-16MU
Manufacturer	Atmel
Allelco Part Number	32D-ATMEGA16-16MU
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 16KB FLASH 44VQFN
Package	44-VQFN Exposed Pad
Data sheet	ATMEGA16-16MU.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATMEGA16-16MU - Atmel.New Original in Stock. Download Linear Technology ATMEGA16-16MU datasheet/specifications on AllelcoElec.com.
Request a quote for ATMEGA16-16MU, please send us email: info@allelco.com

Specifications

ATMEGA16-16MU Tech Specifications
ATMEGA16-16MU - Atmel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Atmel	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	44-VQFN (7x7)	Number of I/O	32
Speed	16MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	512 x 8
RAM Size	1K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (8K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	44-VQFN Exposed Pad	Base Product Number	ATMEGA16
Package	Bulk		

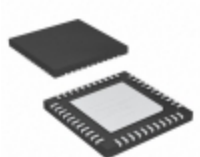
Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATMEGA16-16MU

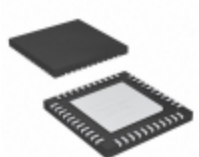
Product Attribute				
Part Number	ATMEGA16-16MU	ATMEGA16-16MC	ATMEGA16-16MU	ATMEGA1608-MUR
Manufacturer	Atmel	Microchip Technology	Microchip Technology	Microchip Technology
Operating Temperature	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package / Case	44-VQFN Exposed Pad	44-VQFN Exposed Pad	44-VQFN Exposed Pad	32-VQFN Exposed Pad
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 12x10b
Core Processor	AVR	AVR	AVR	AVR
Speed	16MHz	16MHz	16MHz	20MHz
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	megaAVR® 0, Functional Safety (FuSa)
Number of I/O	32	32	32	27
Base Product Number	ATMEGA16	ATMEGA16	ATMEGA16	ATMEGA1608
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V	1.8V ~ 5.5V
Supplier Device Package	44-VQFN (7x7)	44-VQFN (7x7)	44-VQFN (7x7)	32-VQFN (5x5)
EEPROM Size	512 x 8	512 x 8	512 x 8	256 x 8
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	1K x 8	1K x 8	1K x 8	2K x 8
Package	Bulk	Tray	Tray	Tape & Reel (TR)
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)	16KB (16K x 8)

Customers Also Interested in

Recommended Products



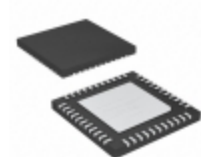
ATMEGA16-16MC
Microchip Technology
IC MCU 8BIT 16KB FLASH 44VQFN



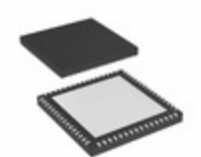
ATMEGA16-16MU
Microchip Technology
IC MCU 8BIT 16KB FLASH 44VQFN



ATMEGA1608-MUR
Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFN



ATMEGA16-16MQ
Microchip Technology
IC MCU 8BIT 16KB FLASH 44VQFN



ATMEGA128RFR2-ZU
Microchip Technology
IC RF TXRX+MCU 802.15.4 64VQFN

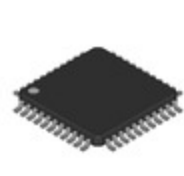


ATMEGA16-16PU
Microchip Technology
IC MCU 8BIT 16KB FLASH 40DIP



ATMEGA16-16PI

Microchip Technology
IC MCU 8BIT 16KB FLASH 40DIP



ATMEGA16-16AU

Atmel
IC MCU 8BIT 16KB FLASH 44TQFP



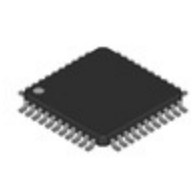
ATMEGA1608-XU

Microchip Technology
IC MCU 8BIT 16KB FLASH 28SSOP



ATMEGA162-16AUR

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



ATMEGA162-16AU

Atmel
IC MCU 8BIT 16KB FLASH 44TQFP



ATMEGA1608-MFR

Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFN



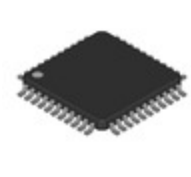
ATMEGA162-16AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



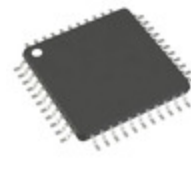
ATMEGA16-16AUR

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



ATMEGA16-16AUR

Atmel
IC MCU 8BIT 16KB FLASH 44TQFP



ATMEGA16-16AU

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



ATMEGA16-16MQ

Atmel
IC MCU 8BIT 16KB FLASH 44VQFN



ATMEGA16-16AI

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP

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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