



Image may be representation.  
See specifications for product details.



## ATMEGA16L-8AC

Manufacturer Part Number	<a href="#">ATMEGA16L-8AC</a>
Manufacturer	<a href="#">Microchip Technology</a>
Allelco Part Number	32D-ATMEGA16L-8AC
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	IC MCU 8BIT 16KB FLASH 44TQFP
Package	44-TQFP
Data sheet	<a href="#">ATMEGA16(L) Datasheet.pdf</a> <a href="#">ATMEGA16(L) Summary.pdf</a>

**Get a Quote**

ATMEGA16L-8AC - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA16L-8AC datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA16L-8AC, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATMEGA16L-8AC Tech Specifications

ATMEGA16L-8AC - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	0°C ~ 70°C (TA)
Supplier Device Package	44-TQFP (10x10)	Number of I/O	32
Speed	8MHz	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-TQFP	Base Product Number	ATMEGA16
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA16L-8AC

Product Attribute				
Part Number	ATMEGA16L-8AC	<a href="#">ATMEGA16L-8MI</a>	<a href="#">ATMEGA16HVB-8X3</a>	<a href="#">ATMEGA16L-8AI</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI	I²C, SPI, UART/USART
Package	Tray	Tray	Tube	Tray
Core Processor	AVR	AVR	AVR	AVR
Program Memory Size	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	POR, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	32	32	17	32
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	44-TQFP (10x10)	44-VQFN (7x7)	44-TSSOP	44-TQFP (10x10)
Operating Temperature	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	ATMEGA16	ATMEGA16	ATMEGA16	ATMEGA16
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Data Converters	A/D 8x10b	A/D 8x10b	A/D 7x12b	A/D 8x10b
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
Package / Case	44-TQFP	44-VFQFN Exposed Pad	44-TFSOP (0.173', 4.40mm Width)	44-TQFP
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	4V ~ 25V	2.7V ~ 5.5V
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Speed	8MHz	8MHz	8MHz	8MHz

### ATMEGA16L-8AC Datasheet PDF

Download ATMEGA16L-8AC pdf datasheets and Microchip Technology documentation for ATMEGA16L-8AC - Microchip Technology.

#### Datasheets

[ATMEGA16\(L\) Datasheet.pdf](#)

[ATMEGA16\(L\) Summary.pdf](#)

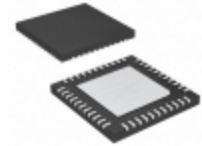
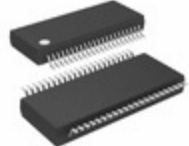


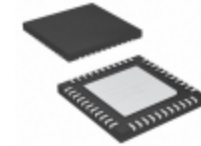







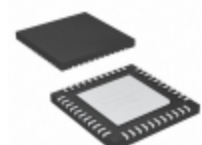


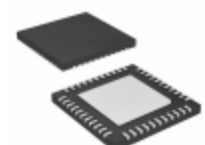


#### PCN Packaging

[MBB/Label Chgs 16/Nov/2018.pdf](#)

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>ATMEGA16L-8MI</b> Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN	<b>ATMEGA16HVB-8X3</b> Microchip Technology IC MCU 8BIT 16KB FLASH 44TSSOP	<b>ATMEGA16L-8AI</b> Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP	<b>ATMEGA16IL-4AI</b> Atmel (Microchip Technology)	<b>ATMEGA16L-8MU</b> Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN	<b>ATMEGA16HVB-8X3</b> Atmel IC MCU 8BIT 16KB FLASH 44TSSOP
					
<b>ATMEGA16A-AU/AUR</b> Atmel (Microchip Technology)	<b>ATMEGA16L-8AU</b> Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP	<b>ATMEGA16A-MU</b> Atmel IC MCU 8BIT 16KB FLASH 44VQFN	<b>ATMEGA16L</b> Atmel (Microchip Technology)	<b>ATMEGA16L-8AU</b> Atmel IC MCU 8BIT 16KB FLASH 44TQFP	<b>ATMEGA16L-8AU</b> Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP
					
<b>ATMEGA16A-MU</b> Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN	<b>ATMEGA16L-8PU</b> Microchip Technology IC MCU 8BIT 16KB FLASH 40DIP	<b>ATMEGA16L-8AU</b> Atmel IC MCU 8BIT 16KB FLASH 44TQFP	<b>ATMEGA16L-8MC</b> Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN	<b>ATMEGA16M1-15AD</b> Microchip Technology IC MCU 8BIT 16KB FLASH 32TQFP	<b>ATMEGA16A-PU</b> Microchip Technology IC MCU 8BIT 16KB FLASH 40DIP

## 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 Alleco 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 -



Contact us if you have any questions.



### Certifications & Memberships



[View More](#)