

ATMEGA16L-8AU





**Part Number:** [ATMEGA16L-8AU](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** IC MCU 8BIT 16KB FLASH 44TQFP

**Data sheet:**  [ATMEGA16\(L\) Summary](#)  
 [ATMEGA16\(L\) Datasheet](#)

**RoHs Status:** Lead free / RoHS Compliant

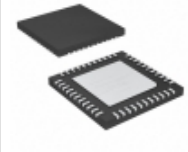
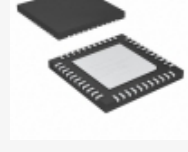
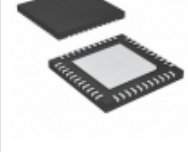
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                  |                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ATMEGA16L-8AU                             | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MCU 8BIT 16KB FLASH 44TQFP             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 26711 pcs                                 | Data sheet                       | <a href="#">ATMEGA16(L) Summary</a><br><a href="#">ATMEGA16(L) Datasheet</a>       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 44-TQFP (10x10)                           | Speed                            | 8MHz                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AVR® ATmega                               | RAM Size                         | 1K x 8                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | FLASH                                     | Program Memory Size              | 16KB (8K x 16)                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tray                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 44-TQFP                                   | Other Names                      | ATMEGA16L8AU                                                                       |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                  |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 32                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                      |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                         |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 512 x 8                                   | Detailed Description             | AVR AVR® ATmega Microcontroller IC 8-Bit 8MHz 16KB (8K x 16) FLASH 44-TQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A/D 8x10b                                 | Core Size                        | 8-Bit                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | AVR                                       | Connectivity                     | PC, SPI, UART/USART                                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ATMEGA16                                  |                                  |                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">ATMEGA16L-8PU</a><br>Description: IC MCU 8BIT 16KB FLASH 40DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16HVA-4TU</a><br>Description: IC MCU 8BIT 16KB FLASH 28TSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8MU</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8MJ</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8AQR</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16HVB-8X3</a><br>Description: IC MCU 8BIT 16KB FLASH 44TSSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8MI</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16HVA-4CKUR</a><br>Description: IC MCU 8BIT 16KB FLASH 36LGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8MUR</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8PJ</a><br>Description: IC MCU 8BIT 16KB FLASH 40DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8PI</a><br>Description: IC MCU 8BIT 16KB FLASH 40DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8MC</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16HVB-8X3R</a><br>Description: IC MCU 8BIT 16KB FLASH 44TSSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8AI</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8AJ</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16HVA-4TUR</a><br>Description: IC MCU 8BIT 16KB FLASH 28TSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8AC</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8PC</a><br>Description: IC MCU 8BIT 16KB FLASH 40DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA16L-8AQ</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |

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|---------------------------------------------|------------------------------------|----------------------------------------|---------------------|
| Related keywords for <b>ATMEGA16L-8AU</b>   |                                    |                                        |                     |
| Micrel / Microchip Technology ATMEGA16L-8AU | ATMEGA16L-8AU distributor          | ATMEGA16L-8AU supplier                 | ATMEGA16L-8AU price |
| ATMEGA16L-8AU download datasheet            | ATMEGA16L-8AU datasheet            | ATMEGA16L-8AU stock                    | buy ATMEGA16L-8AU   |
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|                                             |                                    | ATMEGA16L-8AU                          |                     |