

ATMEGA2561V-8AU





Part Number: [ATMEGA2561V-8AU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 256KB FLASH 64TQFP

Data sheet:  [ATMEGA640, 1280-81, 2560-61\(V\) Complete](#)  
 [ATMEGA640, 1280\(81\) 2560\(61\)\(V\) Summary](#)

RoHs Status: Lead free / RoHS Compliant

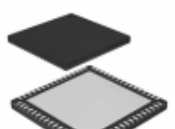
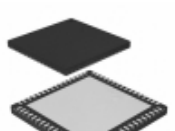
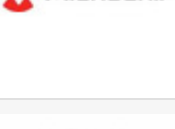
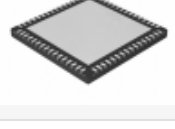
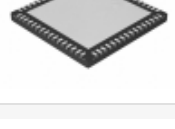
Ship From: Hong Kong

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

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                  |                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ATMEGA2561V-8AU                           | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 256KB FLASH 64TQFP            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8698 pcs                                  | Data sheet                       | <a href="#">ATMEGA640, 1280-81, 2560-61(V) Complete</a><br><a href="#">ATMEGA640, 1280(81) 2560(61)(V) Summary</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 5.5 V                                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 64-TQFP (14x14)                           | Speed                            | 8MHz                                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | AVR® ATmega                               | RAM Size                         | 8K x 8                                                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size              | 256KB (128K x 16)                                                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tray                                                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 64-TQFP                                   | Other Names                      | ATMEGA2561V8AU                                                                                                     |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                  |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 54                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                      |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                         |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4K x 8                                    | Detailed Description             | AVR AVR® ATmega Microcontroller IC 8-Bit 8MHz 256KB (128K x 16) FLASH 64-TQFP (14x14)                              |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 8x10b                                 | Core Size                        | 8-Bit                                                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AVR                                       | Connectivity                     | EBI/EMI, I²C, SPI, UART/USART                                                                                      |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ATMEGA2561                                |                                  |                                                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATMEGA2561-16AU</a><br>Description: IC MCU 8BIT 256KB FLASH 64TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561R231-AU</a><br>Description: IC RF TXRX+MCU 802.15.4/ISM TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561R212-MU</a><br>Description: IC RF TXRX+MCU 802.15.4/ISM TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561V-8AI</a><br>Description: IC MCU 8BIT 256KB FLASH 64TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561V-8MI</a><br>Description: IC MCU 8BIT 256KB FLASH 64QFN       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561R212-AU</a><br>Description: IC RF TXRX+MCU 802.15.4/ISM TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561-16MU</a><br>Description: IC MCU 8BIT 256KB FLASH 64QFN       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2564RFR2-ZFR</a><br>Description: IC RF TXRX+MCU 802.15.4 48-VFQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561-16MI</a><br>Description: IC MCU 8BIT 256KB FLASH 64QFN       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2564RFR2-ZF</a><br>Description: IC RF TXRX+MCU 802.15.4 48-VFQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561V-8MU</a><br>Description: IC MCU 8BIT 256KB FLASH 64QFN       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA256RFR2-XPRO</a><br>Description: XPLAINED PRO EVAL KIT            | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA256RFR2-XSTK</a><br>Description: XPLAINED PRO STARTER KIT         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561-16AUR</a><br>Description: IC MCU 8BIT 256KB FLASH 64TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2564RFR2-ZUR</a><br>Description: IC RF TXRX+MCU 802.15.4 48-VFQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561V-8MUR</a><br>Description: IC MCU 8BIT 256KB FLASH 64QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561-16MUR</a><br>Description: IC MCU 8BIT 256KB FLASH 64QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561R231-MU</a><br>Description: IC RF TXRX+MCU 802.15.4/ISM TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2561V-8AUR</a><br>Description: IC MCU 8BIT 256KB FLASH 64TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA2564RFR2-ZU</a><br>Description: IC RF TXRX+MCU 802.15.4 48-VFQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

|                                               |                                      |                                                           |                       |
|-----------------------------------------------|--------------------------------------|-----------------------------------------------------------|-----------------------|
| Related keywords for <b>ATMEGA2561V-8AU</b>   |                                      |                                                           |                       |
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| ATMEGA2561V-8AU download datasheet            | ATMEGA2561V-8AU datasheet            | ATMEGA2561V-8AU stock                                     | buy ATMEGA2561V-8AU   |
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