



Image may be representation.
See specifications for product details.



ATMEGA162V-8AU

| | |
|--------------------------|---|
| Manufacturer Part Number | ATMEGA162V-8AU |
| Manufacturer | Microchip Technology |
| Allelco Part Number | 32D-ATMEGA162V-8AU |
| ECAD Model | PCB Symbol, Footprint & 3D Mode |
| Parts Description | IC MCU 8BIT 16KB FLASH 44TQFP |
| Package | 44-TQFP |
| Data sheet | ATMEGA162(V) Complete.pdf ATMEGA162(V) Summary.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

ATMEGA162V-8AU - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA162V-8AU datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA162V-8AU, please send us email: info@allelco.com

Specifications

ATMEGA162V-8AU Tech Specifications
ATMEGA162V-8AU - Microchip Technology technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|----------------------------|---------------------------------------|-----------------------|--------------------------|
| Manufacturer | Microchip Technology | Oscillator Type | Internal |
| Voltage - Supply (Vcc/Vdd) | 1.8V ~ 5.5V | Operating Temperature | -40°C ~ 85°C (TA) |
| Supplier Device Package | 44-TQFP (10x10) | Number of I/O | 35 |
| Speed | 8MHz | Mounting Type | Surface Mount |
| Series | AVR® ATmega | EEPROM Size | 512 x 8 |
| RAM Size | 1K x 8 | Data Converters | - |
| 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 | EBI/EMI, SPI, UART/USART |
| Package / Case | 44-TQFP | Base Product Number | ATMEGA162 |
| Package | Tray | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA162V-8AU

| Product Attribute | | | | |
|----------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Part Number | ATMEGA162V-8AU | ATMEGA162-16AU | ATMEGA1608-MUR | ATMEGA162-16PU |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| Core Processor | AVR | AVR | AVR | AVR |
| Series | AVR® ATmega | AVR® ATmega | megaAVR® 0, Functional Safety (FuSa) | AVR® ATmega |
| Core Size | 8-Bit | 8-Bit | 8-Bit | 8-Bit |
| EEPROM Size | 512 x 8 | 512 x 8 | 256 x 8 | 512 x 8 |
| Package / Case | 44-TQFP | 44-TQFP | 32-VQFN Exposed Pad | 40-DIP (0.600", 15.24mm) |
| Data Converters | - | - | A/D 12x10b | - |
| Base Product Number | ATMEGA162 | ATMEGA162 | ATMEGA1608 | ATMEGA162 |
| Oscillator Type | Internal | Internal | Internal | Internal |
| RAM Size | 1K x 8 | 1K x 8 | 2K x 8 | 1K x 8 |
| Connectivity | EBI/EMI, SPI, UART/USART | EBI/EMI, SPI, UART/USART | I ² C, SPI, UART/USART | EBI/EMI, SPI, UART/USART |
| Speed | 8MHz | 16MHz | 20MHz | 16MHz |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Through Hole |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) |
| Program Memory Size | 16KB (8K x 16) | 16KB (8K x 16) | 16KB (16K x 8) | 16KB (8K x 16) |
| Voltage - Supply (Vcc/Vdd) | 1.8V ~ 5.5V | 2.7V ~ 5.5V | 1.8V ~ 5.5V | 2.7V ~ 5.5V |
| Supplier Device Package | 44-TQFP (10x10) | 44-TQFP (10x10) | 32-VQFN (5x5) | 40-PDIP |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| 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 |
| Package | Tray | Tray | Tape & Reel (TR) | Tube |
| Number of I/O | 35 | 35 | 27 | 35 |

ATMEGA162V-8AU Datasheet PDF

Download ATMEGA162V-8AU pdf datasheets and Microchip Technology documentation for ATMEGA162V-8AU - Microchip Technology.

PCN Packaging

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

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

PCN Design/Specification






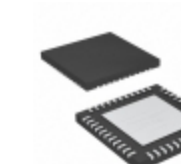

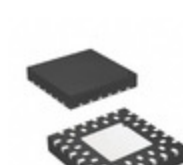








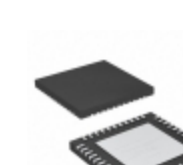
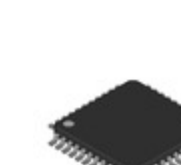
[Cylindrical Battery Holders.pdf](#)

 ATMEGA162(V) Complete.pdf

 ATMEGA162(V) Summary.pdf

Customers Also Interested in

Recommended Products

| | | | | | |
|---|---|--|--|--|---|
|  ATMEGA162-16AU Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP |  ATMEGA1608-MUR Microchip Technology IC MCU 8BIT 16KB FLASH 32VQFN |  ATMEGA162-16PU Microchip Technology IC MCU 8BIT 16KB FLASH 40DIP |  ATMEGA163L-4AC Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP |  ATMEGA162-16PI Microchip Technology IC MCU 8BIT 16KB FLASH 40DIP |  ATMEGA162-16MI Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN |
|  ATMEGA163L-4AI Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP |  ATMEGA164A-MCH Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN |  ATMEGA162-16AUR Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP |  ATMEGA164A-AUR Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP |  ATMEGA163-8AI Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP |  ATMEGA163-8AC Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP |
|  ATMEGA163-8PI Microchip Technology IC MCU 8BIT 16KB FLASH 40DIP |  ATMEGA164A-AU Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP |  ATMEGA1608-XU Microchip Technology IC MCU 8BIT 16KB FLASH 28SSOP |  ATMEGA164A-MCH Atmel IC MCU 8BIT 16KB FLASH 44QFN |  ATMEGA162L-8MI Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN |  ATMEGA162-16AU Atmel 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 |
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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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