

Image may be representation.
See specifications for product details.



ATMEGA2561-16AU

Manufacturer Part Number	ATMEGA2561-16AU
Manufacturer	Atmel
Allelco Part Number	32D-ATMEGA2561-16AU
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 256KB FLASH 64TQFP
Package	64-TQFP
Data sheet	ATMEGA2561-16AU.pdf

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Specifications

ATMEGA2561-16AU Tech Specifications
ATMEGA2561-16AU - 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	64-TQFP (14x14)	Number of I/O	54
Speed	16MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	4K x 8
RAM Size	8K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	256KB (128K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	EBI/EMI, I ² C, SPI, UART/USART
Package / Case	64-TQFP	Base Product Number	ATMEGA2561
Package	Bulk		

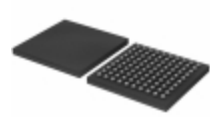
Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATMEGA2561-16AU

Product Attribute				
Part Number	ATMEGA2561-16AU	ATMEGA2560-16CU	ATMEGA2560V-8AU	ATMEGA2561-16AUR
Manufacturer	Atmel	Microchip Technology	Microchip Technology	Atmel
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	64-TQFP (14x14)	100-CBGA (9x9)	100-TQFP (14x14)	64-TQFP (14x14)
Package	Bulk	Tray	Tray	Bulk
Number of I/O	54	86	86	54
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
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	4.5V ~ 5.5V	1.8V ~ 5.5V	4.5V ~ 5.5V
Core Processor	AVR	AVR	AVR	AVR
Speed	16MHz	16MHz	8MHz	16MHz
EEPROM Size	4K x 8	4K x 8	4K x 8	4K x 8
Connectivity	EBI/EMI, I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART
Data Converters	A/D 8x10b	A/D 16x10b	A/D 16x10b	A/D 8x10b
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Program Memory Size	256KB (128K x 16)	256KB (128K x 16)	256KB (128K x 16)	256KB (128K x 16)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
Base Product Number	ATMEGA2561	ATMEGA2560	ATMEGA2560	ATMEGA2561
Package / Case	64-TQFP	100-TFBGA	100-TQFP	64-TQFP
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	8-Bit	8-Bit	8-Bit	8-Bit

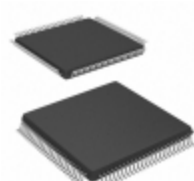
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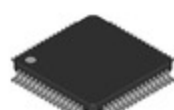
ATMEGA2560-16CU

Microchip Technology
IC MCU 8BIT 256KB FLASH 100CBGA



ATMEGA2560V-8AU

Microchip Technology
IC MCU 8BIT 256KB FLASH 100TQFP



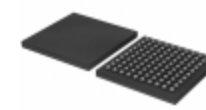
ATMEGA2561-16AUR

Atmel
IC MCU 8BIT 256KB FLASH 64TQFP



ATMEGA2561-16AU

Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP



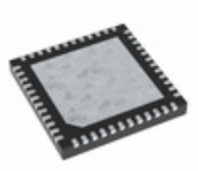
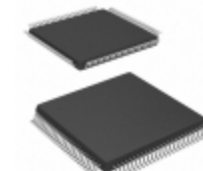
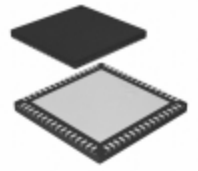
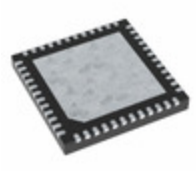
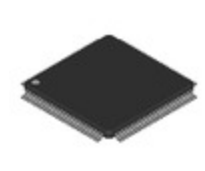
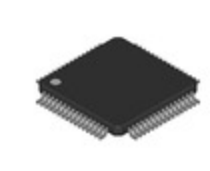
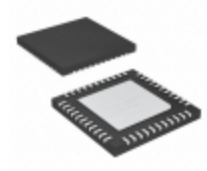
ATMEGA2560V-8CU

Microchip Technology
IC MCU 8BIT 256KB FLASH 100CBGA



ATMEGA2561V-8AUR

Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP

**ATMEGA2564RFR2-ZFR**Microchip Technology
IC RF TXRX+MCU 802.15.4 48VQFN**ATMEGA2561V-8AU**Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP**ATMEGA2561-16AUR**Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP**ATMEGA2560V-8CU**Atmel
IC MCU 8BIT 256KB FLASH 100CBGA**ATMEGA2560-16AU**Microchip Technology
IC MCU 8BIT 256KB FLASH 100TQFP**ATMEGA16U4-AU**Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP**ATMEGA2561V-8MU**Microchip Technology
IC MCU 8BIT 256KB FLASH 64QFN**ATMEGA2564RFR2-ZF**Microchip Technology
IC RF TXRX+MCU 802.15.4 48VQFN**ATMEGA2560V-8AU**Atmel
IC MCU 8BIT 256KB FLASH 100TQFP**ATMEGA2561V-8AU**Atmel
IC MCU 8BIT 256KB FLASH 64TQFP**ATMEGA2560-16CU**Atmel
IC MCU 8BIT 256KB FLASH 100CBGA**ATMEGA16U4-MU**Microchip Technology
IC MCU 8BIT 16KB FLASH 44VQFN

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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