



Image may be representation.
See specifications for product details.

ATMEGA2560V-8AU

Manufacturer Part Number	ATMEGA2560V-8AU
Manufacturer	Atmel
Allelco Part Number	32D-ATMEGA2560V-8AU
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 256KB FLASH 100TQFP
Package	100-TQFP
Data sheet	ATMEGA2560V-8AU.pdf

Get a Quote

ATMEGA2560V-8AU - Atmel.New Original in Stock. Download Linear Technology ATMEGA2560V-8AU datasheet/specifications on AllelcoElec.com.
Request a quote for ATMEGA2560V-8AU, please send us email: info@allelco.com



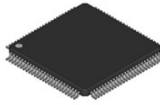

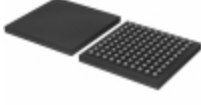
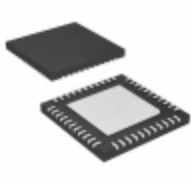
Specifications

ATMEGA2560V-8AU Tech Specifications
ATMEGA2560V-8AU - Atmel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Atmel	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-TQFP (14x14)	Number of I/O	86
Speed	8MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	4K x 8
RAM Size	8K x 8	Data Converters	A/D 16x10b
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, I²C, SPI, UART/USART
Package / Case	100-TQFP	Base Product Number	ATMEGA2560
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATMEGA2560V-8AU

Product Attribute				
Part Number	ATMEGA2560V-8AU	ATMEGA2560-16CU	ATMEGA2560-16CU	ATMEGA16U4-MU
Manufacturer	Atmel	Atmel	Microchip Technology	Microchip Technology
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	100-TQFP	100-VFBGA	100-TFBGA	44-VQFN Exposed Pad
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
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, Temp Sensor, WDT
RAM Size	8K x 8	8K x 8	8K x 8	1.25K x 8
Connectivity	EBI/EMI, I²C, SPI, UART/USART	EBI/EMI, I²C, SPI, UART/USART	EBI/EMI, I²C, SPI, UART/USART	I²C, SPI, UART/USART, USB
Base Product Number	ATMEGA2560	ATMEGA2560	ATMEGA2560	ATMEGA16
Speed	8MHz	16MHz	16MHz	16MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V	2.7V ~ 5.5V
Supplier Device Package	100-TQFP (14x14)	100-VFBGA (7x7)	100-CBGA (9x9)	44-VQFN (7x7)
Core Processor	AVR	AVR	AVR	AVR
Number of I/O	86	86	86	26
Package	Bulk	Bulk	Tray	Tray
Program Memory Size	256KB (128K x 16)	256KB (128K x 16)	256KB (128K x 16)	16KB (8K x 16)
Data Converters	A/D 16x10b	A/D 16x10b	A/D 16x10b	A/D 12x10b
EEPROM Size	4K x 8	4K x 8	4K x 8	512 x 8

Customers Also Interested in

Recommended Products

					
ATMEGA2560-16CU	ATMEGA2560-16CU	ATMEGA16U4-MU	ATMEGA2561-16AUR	ATMEGA16U2-AUR	ATMEGA2561V-8AU
Atmel	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology	Atmel
IC MCU 8BIT 256KB FLASH 100CBGA	IC MCU 8BIT 256KB FLASH 100CBGA	IC MCU 8BIT 16KB FLASH 44VQFN	IC MCU 8BIT 256KB FLASH 64TQFP	IC MCU 8BIT 16KB FLASH 32TQFP	IC MCU 8BIT 256KB FLASH 64TQFP



ATMEGA2560-16AU
Microchip Technology
IC MCU 8BIT 256KB FLASH 100TQFP



ATMEGA16U2-MUR
Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFN



ATMEGA2560V-8CU
Atmel
IC MCU 8BIT 256KB FLASH 100CBGA



ATMEGA2560V-8CU
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



ATMEGA16U2-MU
Microchip Technology
IC MCU 8BIT 16KB FLASH 32VQFN




ATMEGA16U4-AU
Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



ATMEGA16U2-AU
Microchip Technology
IC MCU 8BIT 16KB FLASH 32TQFP



ATMEGA2561-16AU
Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP



ATMEGA2561V-8AU
Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP



ATMEGA2561-16AU
Atmel
IC MCU 8BIT 256KB FLASH 64TQFP

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.




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Fast Sourcing & Delivery

Contact us if you have any questions.



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Certifications & Memberships



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WWW.ALLELCOELEC.COM

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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com