

Image may be representation.
See specifications for product details.



ATMEGA256RFR2-ZUR

Manufacturer Part Number	ATMEGA256RFR2-ZUR
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA256RFR2-ZUR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC RF TXRX+MCU 802.15.4 64VFQFN
Package	64-VFQFN Exposed Pad
Data sheet	ATmega256/128/64RFR2 Datasheet.pdf ATmega256/128/64RFR2 Summary.pdf AVR JTAGICE mkII, Flyer.pdf

RoHs Status ROHS3 Compliant

Get a Quote

ATMEGA256RFR2-ZUR - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA256RFR2-ZUR datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA256RFR2-ZUR, please send us email: info@allelco.com

Specifications

ATMEGA256RFR2-ZUR Tech Specifications
ATMEGA256RFR2-ZUR - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tape & Reel (TR)
Voltage - Supply	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C
Type	TxRx + MCU	Mounting Type	Surface Mount
Supplier Device Package	64-QFN (9x9)	Modulation	DSSS, O-QPSK
Series	-	Memory Size	256kB Flash, 8kB EEPROM, 32kB SRAM
Serial Interfaces	I ² C, JTAG, SPI, USART	GPIO	35
Sensitivity	-100dBm	Frequency	2.4GHz
RF Family/Standard	802.15.4	Data Rate (Max)	2Mbps
Protocol	Zigbee®	Current - Transmitting	8mA ~ 14.5mA
Power - Output	3.5dBm	Current - Receiving	5mA ~ 12.5mA
Package / Case	64-VFQFN Exposed Pad	Base Product Number	ATMEGA256

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA256RFR2-ZUR

Product Attribute				
Part Number	ATMEGA256RFR2-ZUR	ATMEGA2564RFR2-ZF	ATMEGA2564RFR2-ZU	ATMEGA256RFR2-ZFR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Memory Size	256kB Flash, 8kB EEPROM, 32kB SRAM	256kB Flash, 8kB EEPROM, 32kB SRAM	256kB Flash, 8kB EEPROM, 32kB SRAM	256kB Flash, 8kB EEPROM, 32kB SRAM
Current - Receiving	5mA ~ 12.5mA	5mA ~ 12.5mA	5mA ~ 12.5mA	5mA ~ 12.5mA
Voltage - Supply	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
Frequency	2.4GHz	2.4GHz	2.4GHz	2.4GHz
Operating Temperature	-40°C ~ 85°C	-40°C ~ 125°C	-40°C ~ 85°C	-40°C ~ 125°C
Current - Transmitting	8mA ~ 14.5mA	8mA ~ 14.5mA	8mA ~ 14.5mA	8mA ~ 14.5mA
GPIO	35	32	32	35
Protocol	Zigbee®	Zigbee®	Zigbee®	Zigbee®
Modulation	DSSS, O-QPSK	O-QPSK	O-QPSK	DSSS, O-QPSK
Base Product Number	ATMEGA256	ATMEGA2564	ATMEGA2564	ATMEGA256
Series	-	-	-	-
Data Rate (Max)	2Mbps	2Mbps	2Mbps	2Mbps
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Power - Output	3.5dBm	3.5dBm	3.5dBm	3.5dBm
Type	TxRx + MCU	TxRx + MCU	TxRx + MCU	TxRx + MCU
RF Family/Standard	802.15.4	802.15.4	802.15.4	802.15.4
Package / Case	64-VFQFN Exposed Pad	48-VFQFN Exposed Pad	48-VFQFN Exposed Pad	64-VFQFN Exposed Pad
Serial Interfaces	I ² C, JTAG, SPI, USART	I ² C, JTAG, SPI, USART	I ² C, JTAG, SPI, USART	I ² C, JTAG, SPI, USART
Supplier Device Package	64-QFN (9x9)	48-QFN (7x7)	48-QFN (7x7)	64-QFN (9x9)
Sensitivity	-100dBm	-100dBm	-100dBm	-100dBm

ATMEGA256RFR2-ZUR Datasheet PDF

Download ATMEGA256RFR2-ZUR pdf datasheets and Microchip Technology documentation for ATMEGA256RFR2-ZUR - Microchip Technology.

PCN Packaging

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

[Tape and Reel Label Update 10/Feb/2015.pdf](#)


PCN Design/Specification


 Cylindrical Battery Holders.pdf

PCN Other

 2.73KHz.pdf

HTML Datasheet

 ATmega256/128/64RFR2 Datasheet.pdf

 ATmega256/128/64RFR2 Summary.pdf

 AVR JTAGICE mkII, Flyer.pdf

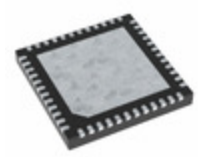
Customers Also Interested in

Recommended Products



ATMEGA32-16AC

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA2564RFR2-ZF

Microchip Technology
IC RF TXRX+MCU 802.15.4 48VQFN



ATMEGA32-16AU

Atmel
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA32-16PI

Microchip Technology
IC MCU 8BIT 32KB FLASH 40DIP



ATMEGA3208-AU

Microchip Technology
IC MCU 8BIT 32KB FLASH 32TQFP



ATMEGA32-16AUR

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



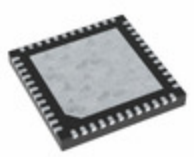
ATMEGA2561V-8AUR

Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP



ATMEGA3208-MFR

Microchip Technology
IC MCU 8BIT 32KB FLASH 32VQFN



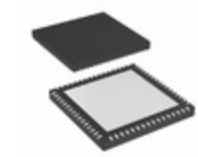
ATMEGA2564RFR2-ZU

Microchip Technology
IC RF TXRX+MCU 802.15.4 48VQFN



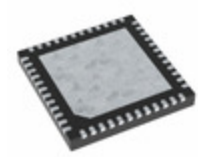
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Microchip Technology
IC MCU 8BIT 256KB FLASH 64TQFP



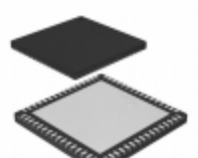
ATMEGA256RFR2-ZFR

Microchip Technology
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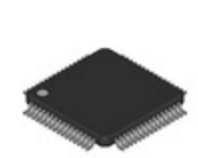
ATMEGA2564RFR2-ZFR

Microchip Technology
IC RF TXRX+MCU 802.15.4 48VQFN



ATMEGA2561V-8MU

Microchip Technology
IC MCU 8BIT 256KB FLASH 64QFN



ATMEGA2561V-8AU

Atmel
IC MCU 8BIT 256KB FLASH 64TQFP



ATMEGA32-16PU

Microchip Technology
IC MCU 8BIT 32KB FLASH 40DIP



ATMEGA32-16AU

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA32-16AI

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA2564RFR2-ZUR

Microchip Technology
IC RF TXRX+MCU 802.15.4 48VQFN

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 Alleco 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@alleco.com

Certifications & Memberships



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