



Micrel / Microchip Technology



ATMEGA256RZBV-8CU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA256RZBV-8CU                                                                                            |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC RF TXRX+MCU 802.15.4 100TFBGA                                                                             |
| Datasheets:         |  1.ATMEGA256RZBV-8CU.pdf    |
|                     |  2.ATMEGA256RZBV-8CU.pdf    |
|                     |  3.ATMEGA256RZBV-8CU.pdf    |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 8108 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of ATMEGA256RZBV-8CU

|                                  |                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA256RZBV-8CU                                                                                                                                                                                                                                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                             |
| DESCRIPTION                      | IC RF TXRX+MCU 802.15.4 100TFBGA                                                                                                                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                |
| QUANTITY AVAILABLE               | 8108 pcs                                                                                                                                                                                                                                                                                                                                  |
| DATA SHEET                       |  1.ATMEGA256RZBV-8CU.pdf<br> 2.ATMEGA256RZBV-8CU.pdf<br> 3.ATMEGA256RZBV-8CU.pdf |
| VOLTAGE - SUPPLY                 | 1.8 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                             |
| TYPE                             | TxRx + MCU                                                                                                                                                                                                                                                                                                                                |
| SERIES                           | -                                                                                                                                                                                                                                                                                                                                         |
| SERIAL INTERFACES                | I²C, JTAG, SPI, USART                                                                                                                                                                                                                                                                                                                     |
| SENSITIVITY                      | -101dBm                                                                                                                                                                                                                                                                                                                                   |
| RF FAMILY/STANDARD               | 802.15.4                                                                                                                                                                                                                                                                                                                                  |
| PROTOCOL                         | 6LoWPAN, Zigbee®                                                                                                                                                                                                                                                                                                                          |
| POWER - OUTPUT                   | 3dBm                                                                                                                                                                                                                                                                                                                                      |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                      |
| PACKAGE / CASE                   | 100-TFBGA                                                                                                                                                                                                                                                                                                                                 |
| OTHER NAMES                      | ATMEGA256RZBV8CU                                                                                                                                                                                                                                                                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 85°C                                                                                                                                                                                                                                                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                             |
| MODULATION                       | O-QPSK                                                                                                                                                                                                                                                                                                                                    |
| MEMORY SIZE                      | 256kB Flash, 4kB EEPROM, 8kB RAM                                                                                                                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                |
| GPIO                             | 86                                                                                                                                                                                                                                                                                                                                        |
| FREQUENCY                        | 2.4GHz                                                                                                                                                                                                                                                                                                                                    |
| DETAILED DESCRIPTION             | IC RF TxRx + MCU 802.15.4 6LoWPAN, Zigbee® 2.4GHz 100-TFBGA                                                                                                                                                                                                                                                                               |
| DATA RATE (MAX)                  | 250kbps                                                                                                                                                                                                                                                                                                                                   |
| CURRENT - TRANSMITTING           | 9.5mA ~ 16.5mA                                                                                                                                                                                                                                                                                                                            |
| CURRENT - RECEIVING              | 15.5mA                                                                                                                                                                                                                                                                                                                                    |

Related Tags

|                                                 |                                        |                                                          |
|-------------------------------------------------|----------------------------------------|----------------------------------------------------------|
| Micrel / Microchip Technology ATMEGA256RZBV-8CU | ATMEGA256RZBV-8CU Distributor          | ATMEGA256RZBV-8CU Supplier                               |
| ATMEGA256RZBV-8CU Price                         | ATMEGA256RZBV-8CU Pictures             | ATMEGA256RZBV-8CU Image                                  |
| ATMEGA256RZBV-8CU PDF Datasheet                 | ATMEGA256RZBV-8CU Download Datasheet   | ATMEGA256RZBV-8CU Datasheet                              |
| ATMEGA256RZBV-8CU Stock                         | Buy ATMEGA256RZBV-8CU                  | Buy Micrel / Microchip Technology ATMEGA256RZBV-8CU      |
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Related Products

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|  <div><b>ATMEGA32-16AQ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/>In stock: 18370 pcs<br/><div>RFQ</div></div>       |  <div><b>ATMEGA256RFR2-ZU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 64-VQFN<br/>In stock: 18768 pcs<br/><div>RFQ</div></div>  |
|  <div><b>ATMEGA256RFR2-ZFR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 64-VQFN<br/>In stock: 18520 pcs<br/><div>RFQ</div></div> |  <div><b>ATMEGA32-16AQR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/>In stock: 17368 pcs<br/><div>RFQ</div></div>               |
|  <div><b>ATMEGA32-16AI</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/>In stock: 4628 pcs<br/><div>RFQ</div></div>        |  <div><b>ATMEGA256RFR2-ZUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 64-VQFN<br/>In stock: 19751 pcs<br/><div>RFQ</div></div> |
|  <div><b>ATMEGA32-16AQR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/>In stock: 16951 pcs<br/><div>RFQ</div></div>      |  <div><b>ATMEGA256RZAV-8AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 64-TQFP<br/>In stock: 9294 pcs<br/><div>RFQ</div></div>  |
|  <div><b>ATMEGA32-16AC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/>In stock: 3237 pcs<br/><div>RFQ</div></div>        |  <div><b>ATMEGA256RZBV-8AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 100-TQFP<br/>In stock: 8761 pcs<br/><div>RFQ</div></div> |
|  <div><b>ATMEGA256RZAV-8MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 64-VQFN<br/>In stock: 6301 pcs<br/><div>RFQ</div></div>  |  <div><b>ATMEGA32-16AJ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/>In stock: 5046 pcs<br/><div>RFQ</div></div>        |