



Micrel / Microchip Technology

## ATMEGA1284PR231-MU

Part Number:	ATMEGA1284PR231-MU
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC RF TXRX+MCU 802.15.4/ISM QFN
Datasheets:	<a href="#">1.ATMEGA1284PR231-MU.pdf</a> <a href="#">2.ATMEGA1284PR231-MU.pdf</a>
RoHs Status:	Lead free / RoHS Compliant
Stock Condition:	6148 pcs stock
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of ATMEGA1284PR231-MU

PART NUMBER	ATMEGA1284PR231-MU
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC RF TXRX+MCU 802.15.4/ISM QFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	6148 pcs
DATA SHEET	<a href="#">1.ATMEGA1284PR231-MU.pdf</a> <a href="#">2.ATMEGA1284PR231-MU.pdf</a>
VOLTAGE - SUPPLY	1.8 V ~ 3.6 V
TYPE	TxRx + MCU
SERIES	-
SERIAL INTERFACES	SPI
SENSITIVITY	-101dBm
RF FAMILY/STANDARD	802.15.4, General ISM > 1GHz
PROTOCOL	6LoWPAN, WirelessHART™, Zigbee®
POWER - OUTPUT	3dBm
PACKAGING	Tray
PACKAGE / CASE	44-QFN, 32-QFN
OPERATING TEMPERATURE	-40°C ~ 85°C
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MODULATION	O-QPSK
MEMORY SIZE	128kB Flash, 4kB EEPROM, 16kB SRAM
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
GPIO	32
FREQUENCY	2.4GHz
DETAILED DESCRIPTION	IC RF TxRx + MCU 802.15.4, General ISM > 1GHz 6LoWPAN, WirelessHART™, Zigbee® 2.4GHz 44-QFN, 32-QFN
DATA RATE (MAX)	2Mbps
CURRENT - TRANSMITTING	7.4mA ~ 14mA
CURRENT - RECEIVING	10.3mA ~ 12.3mA

### Related Tags

Micrel / Microchip Technology ATMEGA1284PR231-MU	ATMEGA1284PR231-MU Distributor	ATMEGA1284PR231-MU Supplier
ATMEGA1284PR231-MU Price	ATMEGA1284PR231-MU Pictures	ATMEGA1284PR231-MU Image
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### Related Products

<p><b>ATMEGA1284RFR2-ZFR</b>                  Manufacturers: Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 48-VFQFN                  In stock: 6433 pcs  <a href="#">RFQ</a></p>	<p><b>ATMEGA1284P-MUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 128KB FLASH 44VQFN                  In stock: 20148 pcs  <a href="#">RFQ</a></p>
<p><b>ATMEGA1284RFR2-ZF</b>                  Manufacturers: Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 48-VFQFN                  In stock: 19418 pcs  <a href="#">RFQ</a></p>	<p><b>ATMEGA1284RFR2-ZF</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 48-VFQFN                  In stock: 18484 pcs  <a href="#">RFQ</a></p>
<p><b>ATMEGA1284PR212-MU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4/ISM QFN                  In stock: 5737 pcs  <a href="#">RFQ</a></p>	<p><b>ATMEGA1284RFR2-ZFR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 48-VFQFN                  In stock: 18614 pcs  <a href="#">RFQ</a></p>
<p><b>ATMEGA1284P-PU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 128KB FLASH 40DIP                  In stock: 15083 pcs  <a href="#">RFQ</a></p>	<p><b>ATMEGA1284P-XPLD</b>                  Manufacturers: Micrel / Microchip Technology                  Description: MEGA-1284P XPLAINED EVAL KIT                  In stock: 3336 pcs  <a href="#">RFQ</a></p>
<p><b>ATMEGA1284PR212-AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 44-TQFP                  In stock: 3928 pcs  <a href="#">RFQ</a></p>	<p><b>ATMEGA1284PR231-AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 44-TQFP                  In stock: 6831 pcs  <a href="#">RFQ</a></p>
<p><b>ATMEGA1284RFR2-ZUR</b>                  Manufacturers: Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 48-VFQFN                  In stock: 18822 pcs  <a href="#">RFQ</a></p>	<p><b>ATMEGA1284RFR2-ZU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC RF TXRX+MCU 802.15.4 48-VFQFN                  In stock: 15723 pcs  <a href="#">RFQ</a></p>