

ZigBit ATmega256RFR2 - TR

Manufacturers	Microchip Technology, Inc
Package/Case	SMD
Product Type	RF Integrated Circuits
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ATZB-S1-256-3-0-CR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

ATZB-S1-256-3-0-C ZigBit® is an ultra-compact and low-power 2.4GHz IEEE 802.15.4/ZigBee® OEM module. Based on the innovative mixed-signal hardware platform from Microchip, this module uses the ATmega256RFR2 SoC with the AVR 8-Bit Microcontroller and a high data rate transceiver for the 2.4GHz ISM band. The radio transceiver provides high data rates from 250kb/s up to 2Mb/s, frame handling, outstanding receiver sensitivity and high transmit output power enabling a very robust wireless communication.

The module is designed for wireless sensing, monitoring, control, data acquisition applications, to name a few. This ZigBit module eliminates the need for costly and time-consuming RF development, and shortens time-to-market for wireless applications. The module has an MS-147 RF connector that can be used as an RF test port. The built-in chip antenna is designed and tuned for the ZigBit design to enable quick integration of the ZigBit into any application.

Features

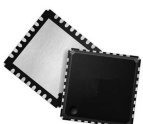
Ultra-compact, low-power 2.4GHz IEEE 802.15.4/ZigBee® OEM module

Uses the ATmega256RFR2 SoC and AVR 8-Bit Microcontroller

Onboard Chip antenna

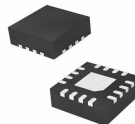
RF test connector

Related Products



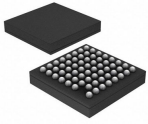
[MRF89XAT-1/MQ](#)

Microchip Technology, Inc
QFN-32



[ATA8510-GHQW](#)

Microchip Technology, Inc
32-VFQFN



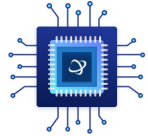
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Microchip Technology, Inc
TFBGA



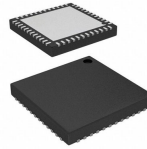
[MRF24J40MAT-I/RM](#)

Microchip Technology, Inc
SMD-12



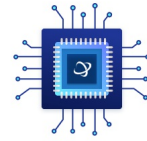
[AT86RF212B-ZUR](#)

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32-VFQF



[ATSAMR21G18A-MUT](#)

Microchip Technology, Inc
VQFN-48



[AT88RF04C-MX1G](#)

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CONTACT-0



[ATA8402C-6AQY-66](#)

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