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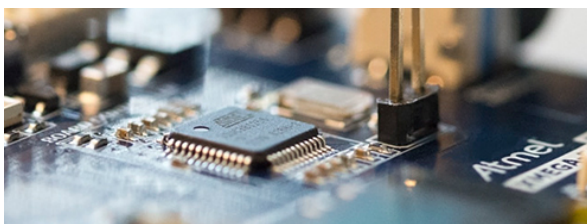**Automotive**
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ATmega256RFR2 RCB Xplained PRO

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The RCB256RFR2-XPRO is designed to provide a reference design for the Atmel ATmega256RFR2 single-chip microcontroller and radio transceiver. The IC integrates a powerful, 8-bit AVR® RISC microcontroller, an IEEE 802.15.4™-compliant transceiver, and additional peripheral features. The built-in radio transceiver supports the worldwide accessible 2.4GHz ISM band. The system is designed to demonstrate standard-based applications such as ZigBee/IEEE 802.15.4, ZigBee RF4CE, and 6LoWPAN, as well as high data rate ISM applications. The SMA antenna connector allows either operation with the antenna provided with the RCB or conducted RF performance measurements.

Key Features

- **Stand-alone ATmega256RFR2 radio controller board (RCB) Xplained PRO Extension**
- **Design based on the single-chip Atmel® ATmega256RFR2 to support IEEE® 802.15.4, ZigBee®, 6LoWPAN, RF4CE, SP100, WirelessHART®, and ISM applications**
- **Two PCB trace antennas demonstrating antenna diversity**
- **Simple user interface with button and LEDs**
- **20-pin XPRO interface**
- **FCC ID: VW4A092007**

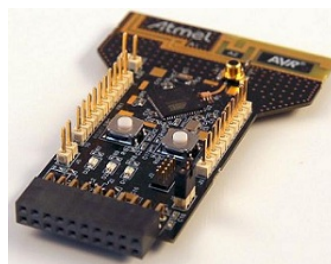Ordering code: **ATRCB256RFR2-XPRO**

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