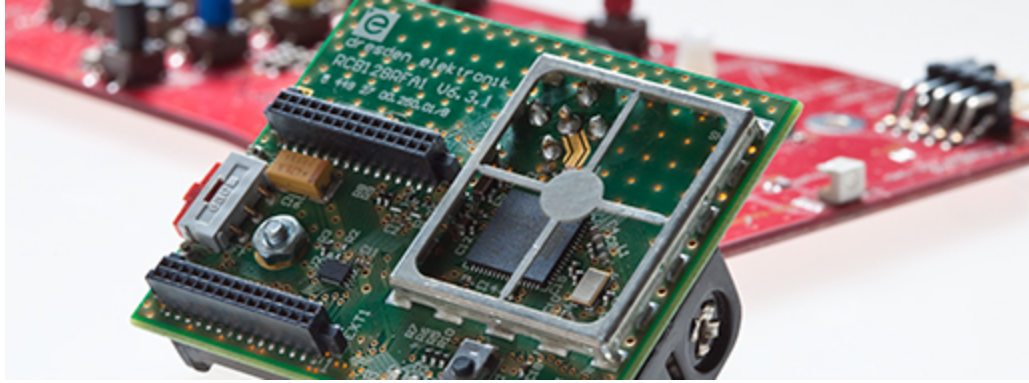


MCU Wireless



Key Features

- **Single-Chip Solutions** — The Atmel IEEE 802.15.4-compliant single-chip solution combines the industry's leading AVR microcontroller and best-in-class 2.4GHz RF transceiver. It is ideal for applications requiring minimal board space and cost — without compromising on MCU and RF performance.
- **Transceivers** — Our wide range of high performance, low-power IEEE 802.15.4-compliant transceivers support regional 700/800/900MHz frequency bands available in China, Europe and North America, as well as the 2.4GHz band available worldwide. For maximum flexibility, these unique RF transceivers can be combined with any of Atmel's award winning microcontrollers over the SPI Interface.
- **Bundles** — Flexible IEEE 802.15.4-compliant bundles make it easy to create a solution that is perfectly aligned to your application needs. Select the Atmel MCU that provides the features and functionality you need, and combine it with one of Atmel's best-in-class RF transceivers for a complete end product that is optimized for your customers' needs.
- **Modules** — ZigBits are compact 802.15.4/ZigBee modules featuring record-breaking range performance and exceptional ease of integration. ZigBits also pack a complete FCC/CE/ARIB certified RF design that eliminates costly and time-consuming RF development and gets your product to market on-time and on-budget.

MCU Wireless Devices

Device Family	Summary Benefit	Applications	Technologies	Key Parameters
<u>Single-Chip Solutions</u>	Combines the industry's leading AVR® microcontroller and a best-in-class 2.4GHz RF transceiver in industry's best single-chip design	IEEE 802.15.4 and ZigBee applications	IEEE 802.15.4 compliant	2.4GHz 64 to 256 KBytes Flash
<u>Transceivers</u>	Delivers the leading RF link budget with the industry's lowest power consumption	IEEE 802.15.4 ZigBee applications Proprietary ISM	IEEE 802.15.4 compliant Antenna diversity external power amplifier	700/800/900 MHz or 2.4GHz bands Up to 2Mbit/s on-air data rates

Bundles

Pair any transceivers with a microcontroller to fit your application requirements

Metering

IEEE 802.15.4 and ZigBee applications

IEEE 802.15.4 compliant

700/800/900 MHz or 2.4GHz bands

64 to 256 Kbytes Flash

Modules

ZigBits are compact 802.15.4/ZigBee modules featuring record-breaking range performance and exceptional ease of integration.

IEEE 802.15.4 and ZigBee applications

IEEE 802.15.4 compliant

Antenna diversity

external power amplifier

700/800/900 MHz or 2.4GHz bands

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