

New Product Announcement

Gain Extended Bluetooth Range with Cypress' EZ-BLE PRoC XR Modules, Now at Mouser

July 12, 2017 – [Mouser Electronics](http://www.mouser.com), Inc., the New Product Introduction (NPI) leader that empowers innovation, is now shipping [EZ-BLE™ PRoC™ XR Bluetooth®](#) 4.2 modules and evaluation boards from [Cypress Semiconductor](http://www.cypress.com). These Bluetooth low energy wireless modules offer an extended range of up to 400 meters bidirectional communication (or up to 450 meters in beacon-only mode) for a broad range of applications, including [Internet of Things](#) (IoT) and home and factory [automation](#).

The [Cypress EZ-BLE Programmable Radio-on-Chip \(PRoC\) XR](#) modules, available from Mouser Electronics, are 48 MHz 32-bit solutions with 256 KBytes of flash, 32 KBytes of SRAM, and a 12-bit SAR analog-to-digital converter (ADC). The modules feature two integrated crystals, up to 19 general-purpose inputs and outputs (GPIOs), and a programmable architecture that supports a number of peripheral functions (such as ADC, timers, counters, and PWM) and serial communication protocols (including I²C, UART, and SPI).

The EZ-BLE PRoC XR modules include a royalty-free Bluetooth low energy stack compatible with Bluetooth 4.2 and are available in two certified versions (CYBLE-212006-01 and CYBLE-202007-01) and an uncertified version (CYBLE-202013-11). The CYBLE-212006-01 includes an integrated trace antenna, while the CYBLE-202007-01 supports an external antenna via a u-FL connector.

The uncertified CYBLE-202013-11 supports an external antenna through a RF solder pad output and omits the RF shield.

To learn more about the Cypress EZ-BLE PRoC XR modules, visit <http://www.mouser.com/new/Cypress-Semiconductor/cypress-ez-ble-xr-modules/>.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

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About Cypress Semiconductor

Cypress is the leader in advanced embedded system solutions for the world's most innovative automotive, industrial, home automation and appliances, consumer electronics and medical products. Cypress' programmable systems-on-chip, general-purpose microcontrollers, analog ICs, wireless and USB-based connectivity solutions and reliable, high-performance memories help engineers design differentiated products and get them to market first. Cypress is committed to providing customers with the best support and engineering resources on the planet enabling innovators and out-of-the-box thinkers to disrupt markets and create new product categories in record time.

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