

New Product Announcement

Mouser Shipping TI's New CC1310 SimpleLink Microcontrollers

Fingertip-Size Devices Offer 20km Reach

December 1, 2015 – [Mouser Electronics](http://www.mouser.com), Inc. is now stocking [CC1310 SimpleLink™](#) ultra-low power wireless microcontrollers from [Texas Instruments](http://www.ti.com) (TI). These new devices add a sub-1 GHz solution to the [SimpleLink](#) wireless microcontroller family, which targets Bluetooth® Smart, ZigBee®, and other [RF applications](#). The CC1310 microcontrollers offer low power (up to 20 years of battery life) and high-performing RF (city-wide coverage of over 20km) to help engineers easily add [ultra-low power](#), long-range connectivity to [Internet of Things](#) (IoT) and [energy-harvesting](#) designs.

The [TI CC1310 SimpleLink](#) microcontrollers, now available at Mouser Electronics, combine a flexible, very low power RF transceiver with a powerful 48MHz ARM® Cortex®-M3 microcontroller in a platform that supports multiple physical layers and RF standards. A dedicated ARM Cortex-M0 radio controller handles low-level RF protocol commands that are stored in ROM or RAM, ensuring ultra-low power and flexibility. The devices offer extended battery life with a standby mode that draws just 0.6 µA and an active current of 1.2 mA (plus 25.5 µA/MHz). A 16-bit sensor controller can run autonomously from the system, maximizing the main microcontroller's standby time and reducing power consumption.

The CC1310 microcontrollers are available in a 48-pin 7mm x 7mm package with 32, 64, or 128 kBytes of flash, 20 kBytes of SRAM, and an 8 kByte cache. The devices operate from a wide supply voltage range from 1.8V to 3.8V and include 30 general-purpose input/output (GPIO) pins and I²C, I²S, dual SSI, and UART interfaces. The microcontrollers are supported by an assortment of [development and evaluation tools](#) to help engineers debug software and design RF solutions for applications such as building and [factory automation](#), alarms and [security](#), [smart grids](#), and wireless sensor networks.

To learn more, visit <http://www.mouser.com/new/Texas-Instruments/ti-cc1310-simplelink-mcu/>.

With its broad product line and unsurpassed customer service, Mouser caters to design engineers and buyers by delivering What's Next in advanced technologies. Mouser offers customers 21 global support locations and stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is updated daily and searches more than 10 million products to locate over 4 million orderable part numbers available for easy online purchase. Mouser.com also houses an industry-first interactive catalog, data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 500 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 500,000 customers in 170 countries from its 492,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

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Further information, contact:
Kevin Hess, Mouser Electronics
Vice President, Marketing
(817) 804-3833
Kevin.Hess@mouser.com

For press inquiries, contact:
Kelly DeGarmo, Mouser Electronics
Manager, Corporate Communications and Media
Relations (817) 804-7764
Kelly.DeGarmo@mouser.com