

New Product Announcement

Texas Instruments' CC1350 Microcontroller, Now at Mouser, Offers BLE and Sub-1GHz Connectivity

September 29, 2016 – [Mouser Electronics](http://www.mouser.com), Inc. is now stocking the [CC1350 SimpleLink](#)™ ultra-low-power, dual-band wireless microcontroller from [Texas Instruments](http://www.ti.com) (TI). Part of TI's [CC13xx and CC26xx families](#) of devices, the CC1350 is designed for low-power wide area networks (LPWAN) and features dual-band connectivity that expands the functionality of a sub-1 GHz network with *Bluetooth*® low energy (BLE) implementations such as beaconing, over-the-air updates, smart commissioning, remote displays, and more. The device's long-range connectivity paired with ultra-low power consumption that offers a sleep current of 0.7 µA allows for more than 10 years of battery life.

The [TI CC1350 SimpleLink](#) device, available from Mouser Electronics, integrates a flexible, very [low-power](#) RF transceiver with a powerful 48-MHz ARM® Cortex®-M3 microcontroller in a platform that supports multiple physical layers and [radio frequency](#) (RF) standards. A dedicated ARM Cortex-M0 radio controller handles low-level RF protocol commands that are stored in ROM or RAM, which ensures ultra-low power and flexibility to handle both sub-1 GHz protocols and 2.4 GHz protocols. This allows the combination of a sub-1 GHz communication solution with a BLE smartphone connection that enables great user experience through a phone application.

Mouser is also offering the TI CC1350 wireless microcontroller [LaunchPad](#) development kit. The CC1350 LaunchPad kit brings easy and low-cost sub-1GHz proprietary RF connections to the LaunchPad ecosystem with the SimpleLink ultra-low power CC13xx family of devices. A built-in onboard emulator helps designers get started with instant code development in the CCS Cloud. The CC1350 LaunchPad is supported by a large set of software examples as well as the TI BLE software stack, which enables full BLE connectivity.

The TI CC1350 SimpleLink device is available in a 7mm × 7mm, 48-pin VQFN package, allowing designers to create a wide range of innovative solutions for applications such as low-power wireless systems, home and building [automation](#), wireless [security](#) systems, [smart grid](#) equipment, and long-range [sensors](#).

To learn more, visit <http://www.mouser.com/new/tiwireless/ti-cc1350-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 22 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 600 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 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

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