

New Product Announcement

Semtech's IoT Development Kits with LoRa Long-Range, Low-Power Wireless Technology, Now at Mouser

February 22, 2017 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking [Internet of Things \(IoT\) development kits](#) from [Semtech](#). Designed to speed up the development and testing of [IoT](#) applications, Semtech's IoT development kits take full advantage of LoRa® technology, a disruptive wireless long-range technology delivering 10 times the range of competing solutions to help deliver dramatic performance improvements for industrial and consumer radio frequency (RF) wireless products.

[Semtech IoT development kits](#), available from Mouser Electronics, are self-contained plug-and-play local loops for IoT object designers, enabling full verification and validation of connectivity to a public IoT network based on the LoRaWAN specification. The kits, available in multiple frequency bands ranging from 434 MHz to 922 MHz, are equipped with a MAC and a gateway chip set based on Semtech's SX1301 baseband processor, which permits a long-range architecture with the capacity to handle tens of thousands of end-node [sensors](#) per gateway chip. The kits also include an [SX127x](#) transceiver chipsets embedded in sensors to provide long-range connectivity and [low-power](#) operation for longer battery life.

Semtech's IoT development kits provide a cost-effective, low-power, and high capacity solution with the ability to connect hundreds of thousands of sensors over a variety of RF wireless applications. Each kit includes a Raspberry Pi single-board computer with a LoRa IoT shield unit and pre-installed micro SD card, an active GPS antenna, USB cables, a power adapter, and an example end-point (a LoRaMote or mbed shield unit) as a reference to confirm the kit's functionality. Target IoT applications for the development kits include [wireless networks](#), metering, [security](#), asset tracking, and [machine-to-machine](#) (M2M) products.

To learn more, visit <http://www.mouser.com/new/semtech/semtech-iot-kits/>.

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

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 rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 4 million products from over 600 manufacturers. Mouser offers 22 support locations around the world to provide best-in-class customer service and 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.

About Semtech

Semtech Corporation is a leading supplier of high-quality analog and mixed-signal semiconductor products. The company is dedicated to providing proprietary solutions and breakthrough technology in power management, circuit protection, timing and synchronization, touch interface, video broadcasting, high-performance optical transport equipment (SerDes), high-reliability military products, low-power wireless RF, and digital sensor/signal conditioning ICs. Semtech's products are used in the following markets: Smartphones, LCD TVs, Notebook Computers, Wireless LAN Modems, Automatic Meter Reading, Ultra-Low Power Medical, Satellite Communication, Cellular Infrastructure, Optical Transport and Datacenters.

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