New Product Announcement

Semtech's Low-Power SX1261/SX1262 LoRa Transceivers Now at Mouser for Global LPWAN and IoT Applications

May 15, 2018 – Mouser Electronics, Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the SX1261 and SX1262 LoRa® transceivers from Semtech. Designed for extended battery life with just 4.2 mA of active receive current consumption, the SX126x sub-GHz radio transceivers are ideal for long-range RF wireless applications and are fully compliant with the physical layer requirements of the LoRaWAN specification released by the LoRa Alliance™.

The Semtech SX1261x transceivers, available from Mouser Electronics, support LoRa modulation for low power wide-area network (LPWAN) applications, as well as (G)FSK/MSK modulation for legacy applications, and include a new spreading factor of SF5 for dense networks. The SX1261 can transmit up to +15 dBm, and the SX1262 can transmit up to +22 dBm with highly efficient integrated power amplifiers.

The SX1261x devices expand network coverage while reducing the receive-mode power consumption to just 4.5 mA — 50 percent less than the previous generation. This capability not only extends the battery life of the LoRa-based sensors by up to 30 percent, but it also opens up many new uses for improved connectivity with Internet of Things (IoT) sensor applications.

The devices offer global continuous frequency coverage from 150 to 960 MHz, covering all major sub-GHz ISM bands. Both radio devices are suitable for systems targeting compliance with radio regulations including but not limited to ETSI EN 300 220, FCC CFR 47 Part 15, China regulatory requirements, and the Japanese ARIB T-108. The SX1262 transceiver is supported by the SX1262DVK1CAS Development Kit, also available from Mouser.

Semtech's SX1261 and SX1262 LoRa transceivers are now available in a compact 4 mm × 4 mm package that is 45 percent smaller than the current generation. The devices are ideal for a variety of IoT and wireless applications, including smart meters, agricultural sensors, asset tracking, building automation, streetlights, safety and security sensors, healthcare, and robotics.

To learn more, visit www.mouser.com/semtech-sx1261-2-lora-transceivers.

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 Berkshire Hathaway company, 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 5 million products from over 700 manufacturers. Mouser offers 22 support locations around the world to provide best-in-class customer service and ships globally to over 600,000 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 performance analog and mixed-signal semiconductors and advanced algorithms. The company is dedicated to providing proprietary solutions and breakthrough technology for circuit protection (TVS), high reliability, power management, professional AV, signal integrity, smart sensing, video, wireless charging, and wireless RF. Semtech's products are used in the following applications: automotive, broadcast equipment, data centers, PONs, industrial, Internet of Things (IoT), LCD TVs, smartphones, tablets, wearables, and wireless infrastructure.

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