

New Product Announcement

STMicroelectronics' S2-LP Sub-1GHz Transceiver, Now at Mouser, Provides Expanded Reach and SIGFOX Compliance

July 24, 2017 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [S2-LP](#) ultra-low power, sub-1GHz transceiver from [STMicroelectronics](#) (ST). A successor to ST's highly acclaimed [SPIRIT1](#), the S2-LP radio chip offers designers increased transmission range, greater selectivity, [ultra-low power](#) consumption, and high configuration flexibility for [Internet of Things](#) (IoT) applications.

The [ST S2-LP](#) transceiver, available from Mouser Electronics, is an ultra-low-power radio optimized for radio frequency (RF) products in the sub-1GHz band. The device operates in the license-free ISM and Short-Range Devices (SRD) frequency bands, with additional frequencies available through programming. The transceiver is ideal for use in networked products and support connectivity to the SIGFOX™ global network, Wireless M-Bus, 6LowPAN, and IEEE 802.15.4g standards.

The S2-LP transceiver draws just 6.7mA when receiving, and 10mA when transmitting at an output power of 10dBm. Equipped with an efficient [power-management](#) circuit, the transceiver provides an integrated switching regulator that enables it to operate from a 1.8V to 3.6V input at a power-conversion efficiency of 90 percent — making the S2-LP ideal for battery-powered products.

The S2-LP is supported by three development kits — the [STEVAL-FKI915V1](#), the [STEVAL-FKI433V1](#) and the [STEVAL-FKI868V1](#) — also available from Mouser Electronics. Target [RF wireless](#) applications for the S2-LP device include IoT devices, [wireless alarm systems](#), smart metering, [smart lighting](#), [industrial monitoring](#), building automation, and smart home systems.

To learn more, visit <http://www.mouser.com/new/stmicroelectronics/stmicro-s2lp-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

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Further information, contact:
Kevin Hess, Mouser Electronics
Senior Vice President of 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