

New Product Announcement

Mouser Electronics Now Stocking STMicroelectronics' STKNX Miniature KNX Transceiver for Building Automation

July 24, 2018 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [STKNX](#) miniature KNX transceiver from [STMicroelectronics](#) (ST). Certified for the KNX standard for smart [building automation](#) applications, the STKNX is the smallest transceiver on the market certified for KNX TP1-256 twisted-pair connections, with power circuitry on-chip in a compact form factor of just 4mm × 4mm.

KNX is a standardized network communications protocol for building automation applications, widely adopted by several multinational and international standards. KNX twisted-pair wiring is inherited from the BatiBUS and EIB Instabus home automation standards. The [ST STKNX](#) miniature KNX transceiver, available from Mouser Electronics, allows developers to bring building automation products to market quickly, offering a complete network-node solution and KNX software stack compatible with any ST [STM32 microcontroller](#).

The space-saving, highly integrated solution features two integrated voltage regulators — one with a selectable 150 mA high-efficiency DC/DC switching converter and one 3.3 V / 5 V 20 mA linear regulator — for external application use. An integrated KNX bus power extractor supports the power requirements of the transceiver as well as those of external devices. The STKNX transceiver ensures safe coupling to the bus and provides a monitoring warning for loss of bus power.

The transceiver is supported by the ST [EVALKITSTKNX](#) evaluation and development kit, available to order from Mouser. The kit contains everything needed to build a KNX node, including an STM32F103RBT6 microcontroller, Arduino-compatible headers for custom function expansion, and a sample LED-dimming application.

The STKNX transceiver combines energy efficiency, security and an enhanced user experience to facilitate the rapid development of smart home and smart building applications, including smart [lighting](#), appliances, [alarms](#), and HVAC controllers.

To learn more about the STKNX transceiver, visit www.mouser.com/stm-stknk-transceiver. For more information on the EVALKITSTKNX evaluation and development kit, go to www.mouser.com/stm-evalkitstknx-kit.

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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