

New Product Announcement

Mouser Exclusive: Silicon Labs and Digi International XBee3 LTE-M Expansion Kit Simplifies Cellular IoT Prototyping

October 18, 2018 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is the first distributor to stock the [LTE-M expansion kit](#) from [Silicon Labs](#) and [Digi International](#). Designed to jumpstart cellular [Internet of Things](#) (IoT) applications, the new kit enables seamless cloud connectivity with ultra-low-power application capability.

The [Silicon Labs LTE-M expansion kit](#), available exclusively from Mouser Electronics, is comprised of the Silicon Labs EXP board and the [EFM32™ Giant Gecko 11 starter kit](#) (sold separately). The EXP board includes a pre-certified [Digi XBee3™ LTE-M](#) embedded modem module that provides secure low-power wide-area network (LPWAN) connectivity to the cloud. Additionally, the EXP board is designed to be compatible with all Digi XBee through-hole modules, offering a wide array of wireless connectivity options, such as Zigbee, Wi-Fi, 3G and LTE cellular. Similarly, the Giant Gecko 11 microcontroller is code-compatible with the entire family of Gecko microcontrollers, wireless Gecko system-on-chips (SoCs), and pre-certified modules.

Engineers can easily add functionality, configure and test the XBee3 module through standard Digi XBee API frames and AT commands, MicroPython, and XCTU software tools. With Digi Remote Manager®, the Digi XBee3 module can be easily configured and controlled from a simple, central platform. The module also includes built-in Digi TrustFence® security, identity and data privacy features, which use more than 175 controls to protect against new and evolving cyber threats.

Silicon Labs EFM32 Giant Gecko 11 starter kit is based on the ultra-low-power EFM32 Giant Gecko Series 1 microcontroller with a 32-bit Arm® Cortex®-M4 core, 2 MBytes of flash, and 512 Kbytes of RAM. The starter kit includes [sensors](#) and peripherals to demonstrate capabilities of the microcontroller and serves as a starting point for application development. The Giant Gecko 11 features an onboard SEGGER J-Link debugger and the Advanced Energy Monitoring system to enable programming, debugging, and real-time current profiling of applications without using external tools.

The LTE-M expansion kit offers onboard GPS, user-selectable high-power and [low-power](#) modes, and test points for all XBee3 pins. The kit includes an LTE-M patch antenna, global nano-SIM card with 1 Mbyte of free data for prototyping, and ready-to-use software demos for the Giant Gecko 11 starter kit.

To learn more, visit www.mouser.com/silicon-labs-xbee3-lte-m-expansion-kit.

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About Mouser Electronics

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Silicon Labs

Silicon Labs is a leading provider of silicon, software, and solutions for a smarter, more connected world. The company's world-class engineering teams are on a mission to create products that deliver performance, energy savings, and simplicity, while solving the electronic industry's toughest problems. Award-winning technologies, coupled with Silicon Labs' heritage of innovation, are shaping the future of the IoT, Internet infrastructure, industrial automation, consumer, and automotive markets.

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