



New Product Announcement

Mouser Electronics Now Shipping Silicon Labs' Latest Wireless Gecko Series 2 Modules

September 21, 2020 – [Mouser Electronics](#), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [BGM220P and BGM220S](#) [Bluetooth®](#) modules from [Silicon Labs](#). Based on the Silicon Labs [EFR32BG22](#) Wireless Gecko system-on-chips (SoCs), the BGM220 modules are a pre-certified, Bluetooth 5.2 solution for wireless networking in applications such as portable [medical](#), connected home, wellness devices, asset tags, and beacons.

[Silicon Labs BGM220P and BGM220S](#) modules, available from Mouser Electronics, are built to meet the performance, security, and reliability requirements of battery-powered [Internet of Things](#) (IoT) devices. The modules deliver the exceptional RF range and performance, future-proof capability with support for OTA firmware updates, enhanced security features, and low energy consumption.

The BGM220 modules support Bluetooth 5.2 Low Energy protocols, with available direction finding and 1M, 2M, and LE Coded PHYs, as well as support for a Bluetooth mesh low-power node. The modules incorporate a [low-power](#) wireless SoC with a 32-bit Arm® Cortex®-M33 core with DSP instruction and floating-point unit for efficient signal processing. The SoC offers 512 Kbytes of flash, 32 Kbytes of RAM, and a 2.4 GHz radio with up to 8 dBm (BGM220P) or 6 dBm (BGM220S) of transmit power.

The BGM220P module comes in a 12.9 mm × 15.0 mm × 2.2 mm package, while the BGM220S module offers a space-saving 6 mm × 6 mm × 1.1 mm footprint. Both modules are FCC, CE, IC/ISED, MIC/TELEC, and KCC certified and consume just 4.3 mA in 1 Mbps receive mode and 4.8 mA at 0 dB in transmit mode, with a 1.40 µA DeepSleep mode.

To learn more, visit <https://www.mouser.com/new/silicon-labs/sl-bgm220p-220s-gecko-bt-modules/>.

As a global authorized distributor, Mouser offers the world's widest selection of the newest semiconductors and electronic components — in stock and ready to ship. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each of its manufacturer partners. To help speed customers' designs, Mouser's website hosts an extensive library of technical resources, including a [Technical Resource Center](#), along with product data sheets, supplier-specific reference designs, application notes, technical design information, engineering tools and other helpful information.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an authorized semiconductor and electronic component distributor focused on 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 800 manufacturers. Mouser offers 27 support locations worldwide to provide best-in-class customer service in local language, currency and time zone. The distributor ships to over 630,000 customers in 223 countries/territories from its 1 million-square-foot, state-of-the-art distribution facilities in the Dallas, Texas, metro area. For more information, visit www.mouser.com.

About 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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