New Product Announcement

Silicon Labs' Compact MGM13P Mighty Gecko Wireless Mesh Modules Now Shipping from Mouser Electronics

May 22, 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 MGM13P Mighty Gecko wireless mesh modules from Silicon Labs. Based on the Silicon Labs EFR32MG13 Mighty Gecko system-on-chip (SoC), the MGM13P Mighty Gecko modules are a pre-certified, multi-protocol solution for wireless networking. Featuring Silicon Labs' secure and flexible mesh protocol stacks, an integrated chip antenna, and radio frequency (RF) regulatory certifications, the modules can help developers reduce cost, complexity, and time when designing mesh networking applications.

The Silicon Labs MGM13P Mighty Gecko wireless mesh modules, available from Mouser Electronics, incorporate a low-power wireless SoC with a 32-bit Arm® Cortex®-M4 core with DSP instruction and floating-point unit for efficient signal processing. The SoC offers 64 Kbytes of RAM, 512 Kbytes of flash, and up to +10 dBm output power (with a +18 dBm version available to order from Mouser.com), as well as a wide selection of peripherals. Integrating the crystals, RF passives, and antenna necessary for a system-level implementation of wireless Internet of Things (IoT) mesh networks, the modules free developers from complex RF/antenna design and testing and allows them to focus on their end applications.

The 12.9 mm × 17.8 mm × 2.3 mm modules consume only 9.9 mA in 1 Mbps receive mode and 8.5 mA at 0 dB in transmit mode. The MGM13P modules support SoC or network co-processor architectures, and the +10 dBm version of the device meets regulatory requirements for IEEE 802.15.4 standard used in both Thread and Zigbee networks.

The MGM13P module is supported by Silicon Labs' MGM13P Mighty Gecko Radio Boards — for use with the Mighty Gecko Starter Kit — and the Simplicity Studio™ suite of development and debugging tools that helps accelerate IoT product design. The MGM13P Mighty Gecko wireless mesh modules are ideal for a wide variety of applications, including connected home lighting and security, smart metering, and health and wellness devices.

To learn more, visit www.mouser.com/silabs-mgm13p-mighty-gecko-module.

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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