New Product Announcement

Laird Connectivity's Sentrius MG100 Gateway, Now at Mouser, Combines Bluetooth 5 and Low-Power Cellular Communications

October 1, 2020 – Mouser Electronics, Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the Sentrius™ MG100 Gateway from Laird Connectivity. Based on a Laird Connectivity Pinnacle 100 cellular modem, the MG100 Gateway combines long-range *Bluetooth*® 5 and LTE-M/NB-IoT connectivity in a small-form-factor IoT micro-gateway.

The Laird Connectivity Sentrius MG100 Gateway, available from Mouser Electronics, captures data from Bluetooth 5-enabled sensors and transmits to the cloud through a global low-power cellular data (LTE-M/NB-IoT) connection. The gateway is based on a Laird Connectivity Pinnacle 100 cellular modem, which integrates a Nordic Semiconductor nRF52840 system-on-chip (SoC) with its Arm® Cortex®-M4F core to provide full Bluetooth 5 communication capabilities. The Laird Connectivity modem also provides LTE-M/NB-IoT connectivity via an integrated Sierra Wireless HL7800 and, for hostless design simplicity, enables application development directly on the microcontroller using Zephyr real-time operating system (RTOS). The MG100 Gateway includes regulatory approvals for FCC, ISED, and CE and cellular approvals PTCRB, GCF and AT&T to date, with additional carrier certifications to come.

Mouser also offers the Laird Connectivity MG100 Wireless IoT Starter Kit, now available to order, which includes a Sentrius MG100 Gateway and three Sentrius BT510 sensors. The kit's three Sentrius BT510 sensors enable reliable wireless sensor data transfer even in harsh environments with their innovative IP67-rated enclosures. The BT510 sensors comprise a multi-function sensor (temperature, motion/shock, and open/close contact) platform and is based on Laird Connectivity's field-proven long-range BL654 module. The ultra-low-power Sentrius BT510 sensor is powered by a replaceable CR2477 coin cell battery, enabling multi-year performance with simple, intuitive maintenance.

The Sentrius MG100 Gateway and MG100 Wireless IoT Starter Kit are ideal for multi-wireless IoT applications where long-range Bluetooth sensors bridge directly to the cellular network without the need to access any local network infrastructure. Target applications include cold chain transportation monitoring, long-range battery-powered sensors, predictive maintenance, and industrial Internet of Things (IIoT).

For more information on the MG100 Wireless IoT Starter Kit, go to https://www.mouser.com/new/laird-connectivity/laird-sentrius-mg100-bt510-iot-starter-kit/.

To learn more about the Sentrius MG100 Gateway, visit https://www.mouser.com/new/laird-connectivity/laird-sentrius-mg100-gateways/.

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 leading manufacturer partners. Serving the global electronic design engineer and buyer community, the global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 1,100 manufacturer brands. 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 Laird Connectivity

Laird Connectivity simplifies wireless connectivity with market-leading modules, antennas, IoT devices, and customer-specific wireless solutions. Our products are trusted by companies around the world for their performance and reliability. With best-in-class support and comprehensive design services, we reduce your risk and improve your time-to-market. When you need unmatched wireless performance to connect your applications with security and confidence, Laird Connectivity Delivers - No Matter What.

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