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Laird Connectivity Announces New Pinnacle™ 100 Series that Seamlessly Combines Low-Power Cellular LTE and Bluetooth 5 for Your Next Generation IoT Application

The Pinnacle 100 multi-wireless modem combines LTE CAT-M1 & NB-IoT, Bluetooth 5 with Cortex M4F and flexible antenna options into a single, certified integrated platform

Akron, Ohio – June 4, 2019 – A global leader in wireless technology, Laird Connectivity, has announced a new multi-wireless modem that combines the benefits of low-power cellular LTE connectivity and Bluetooth 5 technology into one fully-integrated solution. This unique combination enables new use cases using low-cost, long-range Bluetooth sensors all connected to the next generation LTE network in a much simpler and lower cost solution architecture.

The Pinnacle 100 seamlessly incorporates a powerful Cortex M4F controller running a hostless Zephyr RTOS-based software implementation, complete Bluetooth 5 functionality, and LTE CAT-M1/NB-IoT capabilities – all fully certified from a radio regulatory, cellular and network carrier perspective. This intelligent modem additionally provides complete antenna flexibility, including pre-integrated embedded and external options such as Laird's Revie Flex LTE and NB-IoT antenna.

This unique combination of capabilities simplifies common use cases like using a smartphone to configure and create an LTE connection in a product. It also enables new use cases combining multiple long-range meshed Bluetooth sensors connected to the Cloud over the evolving global low-power LTE network. Bridging Bluetooth sensors to a single intelligent LTE device allows customers to optimize sensor coverage and manage cellular data with a simple, low-cost architecture, not to mention decrease time-to-market and deliver real-time insights.

"The Pinnacle 100 builds on decades of Laird's wireless expertise, making it easier than ever to bridge wireless sensor data to cloud services like AWS IoT over a low-power LTE connection. The Pinnacle 100 cellular modem is an ideal product for customers looking for a fully-integrated solution," said Jonathan Kaye, Laird Connectivity's Senior Director of Product Management. "Because the modem will be end-device qualified from a carrier perspective, as well as supporting complete co-location radio certification, there is no need to worry about the time and cost involved in the certification process."

The Pinnacle 100 will be the only embedded multi-wireless solution on the market to have a pre-integrated, low-cost embedded antenna option. Yet, Laird still offers the flexibility for external antennas, including Laird's Revie Flex LTE & NB-IoT and FlexPIFA antennas. The Revi

Flex is a highly-efficient PCB antenna that is a great option for companies that need an embedded antenna with a combination of flexibility, an omnidirectional pattern and multiple frequency bands. It integrates seamlessly with your design and provides world-class efficiency in the broadest variety of wireless IoT environments.

Multiple low-cost development kits will be available to simplify application development and provide everything required for initial evaluation right out of the box including a standalone Bluetooth 5 environmental sensor, a SIM card with free data, a companion smartphone app for provisioning, and a complete end-to-end demo to see your Bluetooth sensor data in the cloud in minutes.

Visit the Pinnacle 100 product page to learn more and register to win a free development kit, HERE.

About Laird Connectivity

Laird Connectivity simplifies the enablement of wireless technologies with market-leading wireless modules and antennas, integrated sensor and gateway platforms, and customer-specific wireless solutions. Our best-in-class support and comprehensive engineering services help reduce risk and improve time-to-market. When you need unmatched wireless performance to connect electronics with security and confidence, Laird Connectivity delivers — no matter what.

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