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# Silicon Labs Supplies Wireless Technology for Robulink's Advanced Metering Infrastructure Solutions

*Robulink's Intelligent Mesh Network for Smart Metering and the Smart Grid Leverages Low-Power EZRadioPRO® Transceivers*

AUSTIN, Texas & HONG KONG--(BUSINESS WIRE)-- Silicon Labs (Nasdaq: SLAB), a leader in high-performance, analog-intensive, mixed-signal ICs, today announced that it is providing sub-GHz wireless connectivity technology to Robulink, a leading supplier of advanced metering infrastructure (AMI) solutions to utility companies in China, Southeast Asia and Australia. Incorporating Silicon Labs' advanced EZRadioPRO® transceivers, Robulink's AMI solutions enable utilities to quickly and economically implement next-generation smart meters that communicate wirelessly through intelligent mesh networks.

Wireless mesh networking provides a viable option for utilities that are implementing new AMI technologies for the smart grid. Many utilities are looking beyond legacy metering products and into two-way communication metering systems capable of remote provisioning of time-critical services and demands. These sophisticated smart meter networks require reliability, adaptability, scalability, responsiveness and lower life-cycle costs. Robulink's RobuNet™ intelligent mesh network products provide a cost-effective, plug-and-play solution that meets these AMI requirements by adapting reliably to challenging environments.

To help utilities implement comprehensive AMI systems, Robulink supplies a three-tier architecture consisting of wireless smart meters, wireless aggregators and back-end energy management systems. Robulink's RobuNet solutions are based on open interfaces that allow seamless connection with smart meters and aggregators from other manufacturers, as well as connectivity with any in-home energy management system or smart appliance. RobuNet also uses multi-channel frequency hopping technology based on FCC Part 15.247 Rules, which are widely deployed internationally to enhance noise isolation and reduce interference.

RobuNet mesh network products, such as the RDDMRE4 meter communication unit and the RCJP242R wireless data collector, integrate Silicon Labs' EZRadioPRO transceivers. These advanced RobuNet products provide robust RF links and intelligent mesh network routing for a variety of data communications-enabled smart meters, data collectors and aggregators in AMI networks deployed in the field.

"Silicon Labs' EZRadioPRO family simplifies the design, enhances the survivability and reduces the time to market for our RobuNet mesh network products," said Elvis Li, president of Robulink. "EZRadioPRO transceivers provide very high performance in terms of RF link budget and adjacent channel rejection, which are critical for Robulink to implement frequency hopping and self-forming network technologies for AMI and wireless sensor network applications."

"As one of China's leading smart metering manufacturers, Robulink is a pioneer in developing intelligent mesh networking solutions for AMI," said Diwakar Vishakhadatta, vice president and general manager of embedded systems at Silicon Labs. "Our EZRadioPRO transceivers provide a very good fit for Robulink's RobuNet portfolio by enabling them to develop highly reliable, scalable and flexible wireless smart metering products optimized for China's rapidly emerging smart grid and also for export markets."

### About EZRadioPRO Transceivers

The EZRadioPRO family features the industry's highest performance, lowest power sub-GHz transceivers, transmitters and receivers designed to maximize range and battery life for power-sensitive wireless systems. Offering frequency coverage from 119 to 1050 MHz, EZRadioPRO transceivers offer industry-leading RF performance enabling extended wireless range and compliance with the industry's most stringent regulatory standards. EZRadioPRO transceivers offer best-in-class sensitivity (-126 dBm), transmit output power (+20 dBm), link budget (146 dB) and adjacent channel rejection (58 dB). EZRadioPRO transceivers also achieve a 50 nA sleep/standby current with register retention, consuming 75 percent less current in sleep mode than competing products. This exceptional power efficiency results in fewer battery replacements and/or reduced battery size for wireless networking applications.

### About Robulink

Robulink is a leading provider of mesh wireless network solutions and products that can be used for advanced metering infrastructure (AMI), which is an essential part of smart grid deployment and other applications of wireless sensor networks (WSN). By the end of 2012, more than 4 million meter points had been covered by RobuNet™ mesh network products

worldwide. For more information about Robulink Technology, please visit www.robulink.com.

**Silicon Labs**

Silicon Labs is an industry leader in the innovation of high-performance, analog-intensive, mixed-signal ICs. Developed by a world-class engineering team with unsurpassed expertise in mixed-signal design, Silicon Labs' diverse portfolio of patented semiconductor solutions offers customers significant advantages in performance, size and power consumption. For more information about Silicon Labs, please visit www.silabs.com.

**Cautionary Language**

This press release may contain forward-looking statements based on Silicon Labs' current expectations. These forward-looking statements involve risks and uncertainties. A number of important factors could cause actual results to differ materially from those in the forward-looking statements. For a discussion of factors that could impact Silicon Labs' financial results and cause actual results to differ materially from those in the forward-looking statements, please refer to Silicon Labs' filings with the SEC. Silicon Labs disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.



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