Product News

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IAR Systems boosts development for Silicon Labs' Wireless Gecko SoCs targeting IoT connectivity

IAR Embedded Workbench and the new multiprotocol Wireless Gecko SoC portfolio provide developers with new possibilities for creating high-performance, energy-friendly connected applications

Uppsala, Sweden—April 18, 2016—IAR Systems® announces that the world-leading development toolchain IAR Embedded Workbench® for ARM® now supports the Wireless Gecko SoCs from Silicon Labs. With its highly optimizing build tools, smart integrated profiling tools and comprehensive debugging capabilities, IAR Embedded Workbench enables developers to fully leverage the high performance and flexibility of the new portfolio.

Integrating a powerful ARM Cortex®-M4 core as well as advanced hardware cryptography, the Wireless Gecko SoCs provide scalable solutions and include Thread and ZigBee® stacks for mesh networks, intuitive radio interface software for proprietary protocols, and Bluetooth® Low Energy technology for point-to-point connectivity.

IAR Embedded Workbench is a powerful development toolchain that provides extensive debugging and profiling possibilities such as complex code and data breakpoints, runtime stack analysis, call stack visualization, code coverage analysis and integrated monitoring of power consumption. For complete code control, IAR Systems also offers integrated add-on tools for static analysis and runtime analysis. Thanks to the wide device support provided by the tools, developers can improve efficiency and shorten the time to market, reuse code across projects and reduce the costs for training, maintenance, and managing of licenses.

"The Wireless Gecko support in IAR Embedded Workbench is great news for our customers," says Daniel Cooley, VP of Marketing for IoT Products, Silicon Labs. "Access to the powerful features of IAR Systems' tools enables makers and professionals to maximize the potential of our flexible, multiprotocol wireless SoCs and gain efficient development workflows."

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“IAR Embedded Workbench and the new Wireless Gecko SoCs from Silicon Labs provide a perfect combination for developing applications within the Internet of Things and other areas where connectivity is essential,” says Anders Lundgren, Product Manager, IAR Systems. “The Wireless Gecko SoCs will further drive the development of IoT products and we are really glad to supply the tools to make them perform at a maximum capacity.”

Support for the Wireless Gecko SoCs is available using IAR Embedded Workbench for ARM, from version 7.60. More details about the tools, and free trial versions, are available at www.iar.com/iar-embedded-workbench/tools-for-arm.

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About IAR Systems

IAR Systems provides developers of embedded systems with world-leading software tools for developing competitive products based on 8-, 16-, and 32-bit processors. Established in Sweden in 1983, the company has over 46,000 customers globally, mainly in the areas of industrial automation, medical devices, consumer electronics, telecommunication, and automotive products. IAR Systems has an extensive network of partners and cooperates with the world’s leading semiconductor vendors. IAR Systems Group AB is listed on NASDAQ OMX Stockholm. For more information, please visit www.iar.com.