



Product News

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IAR Systems enables development of comprehensive new IoT module from NXP

IAR Embedded Workbench supports the new NXP® Semiconductors LPC54018 MCU-based IoT module featuring onboard Wi-Fi and support for newly launched Amazon FreeRTOS from Amazon Web Services (AWS)

Uppsala, Sweden—December 20, 2017—IAR Systems®, the future-proof supplier of software tools and services for embedded development, announces tool support for the new LPC54018 MCU-based IoT module from NXP Semiconductors. Using the leading development toolchain IAR Embedded Workbench® for Arm® will enable developers to quickly and easily create powerful connected applications based on the new module.

The LPC54018 MCU-based IoT module includes support for Amazon FreeRTOS and provides a seamless Wi-Fi connection to Amazon Web Services (AWS), enabling developers to create secure, cost-effective IoT solutions. The module offers unlimited memory extensibility, a root of trust built on the embedded SRAM physical unclonable functions (PUF) and on-chip cryptographic accelerators. Thanks to the easy-to-use software libraries of Amazon FreeRTOS, cloud on-boarding and over-the-air device management is made easy. Now available for this IoT module are development tools from IAR Systems, which provide leading code optimization technology and extensive debugging functionality coupled with professional technical support offered globally.

Thanks to outstanding speed optimizations, IAR Embedded Workbench for Arm and the included IAR C/C++ Compiler™ generate very fast and efficient code. With the shortest possible execution times, it is the ultimate choice for development of high-performance, low-power applications such as new innovations built on this new IoT module. To enable extensive debugging and profiling, the toolchain includes features such as complex code and data breakpoints, runtime stack analysis, call stack visualization, code coverage analysis and integrated monitoring of power consumption. Through add-on tools for static analysis and runtime analysis, developers gain complete code control.

“We recently announced support for the new IoT microcontroller operating system Amazon FreeRTOS from Amazon Web Services,” says Anders Lundgren, Product Manager, IAR Systems. “This support in combination with the powerful code optimizations and debugging capabilities of IAR Embedded

– more –

Workbench will enable developers to leverage the full potential of the new IoT module from NXP.”

More information about IAR Embedded Workbench for Arm is available at www.iar.com/iar-embedded-workbench/tools-for-arm/.

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***Editor's Note:** IAR Systems, IAR Embedded Workbench, IAR Connect, C-SPY, C-RUN, C-STAT, IAR Visual State, IAR KickStart Kit, I-jet, I-jet Trace, I-scope, IAR Academy, IAR, and the logotype of IAR Systems are trademarks or registered trademarks owned by IAR Systems AB. All other products names are trademarks of their respective owners.*

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About IAR Systems

IAR Systems supplies future-proof software tools and services for embedded development, enabling companies worldwide to create the products of today and the innovations of tomorrow. Since 1983, IAR Systems' solutions have ensured quality, reliability and efficiency in the development of over one million embedded applications. The company is headquartered in Uppsala, Sweden and has sales and support offices all over the world. IAR Systems Group AB is listed on NASDAQ OMX Stockholm, Mid Cap. Learn more at www.iar.com.