Product News

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IAR Systems boosts 8051 development targeting Internet of Things

Version 9.20 of IAR Embedded Workbench for 8051 supports the energy-efficient EFM8 MCUs from Silicon Labs tailored for fast and small IoT applications

Uppsala, Sweden—May 20, 2015—IAR Systems® has released a new version of its popular development toolchain IAR Embedded Workbench® for 8051. The high-performance compiler and debugger toolchain has been further improved with added support for new IoT-targeted microcontrollers as well as parallel build for shorten build times.

The 8051 technology has become very popular in low-power, sensor-dense Internet of Things (IoT) applications. To make full use of these devices, developers need powerful, easy-to-use tools that create small and smart code. Version 9.20 of IAR Embedded Workbench for 8051 adds full support for the EFM8 microcontroller series from Silicon Labs. The energy-efficient EFM8 MCUs are targeted for IoT systems processing data that comes from port I/O or sensor inputs. The full tools support includes device support files, header files and debugging capabilities. The SEGGER J-Link Plus Debug Probe is supported with a new C-SPY® hardware debugger driver, enabling hardware debugging of the new devices in addition to C-SPY Simulator debugging.

In order to speed up build times, parallel build is introduced. The user can easily set the compiler to run in several parallel processes and make better use of the available processor cores in the PC. This feature can have a major impact on reducing the build times of the compiler.

IAR Embedded Workbench for 8051 is a complete set of development tools for microcontrollers based on the 8051 core. It incorporates IDE tools, the highly optimizing IAR C/C++ Compiler™ and the comprehensive C-SPY Debugger. For simplified development workflows, the tools feature integrations for a range of hardware debug systems and device configuration tools. More information about the tools is available at www.iar.com/iar-embedded-workbench/8051/.

IAR Embedded Workbench provides extensive support for a wide range of microcontrollers from vendors such as Atmel, Intel, Infineon, NXP, Silicon Labs and Texas Instruments. For a complete list of supported devices, see www.iar.com/device-search.

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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.