



Product News

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IAR Systems releases new version of development tools for Renesas low-power RL78 microcontrollers

Uppsala, Sweden—April 16, 2014—IAR Systems® today introduces an updated version of its embedded development tools IAR Embedded Workbench® for Renesas RL78. The version includes several new features which further enhance and simplify development of applications based on Renesas low-power RL78 microcontrollers.

In version 1.40 of the complete and high-performance toolchain IAR Embedded Workbench for RL78, support for the C++ feature multiple inheritance is added. This allows developers to define classes based on multiple parents and inherit characteristics and features from them. With support for the `__huge` data memory attribute, it's possible to handle more than 64Kbytes of contiguous data. For example, this enables indexing of an array with a larger size than 64 Kbytes.

To make it possible to handle really large integer values, the C99 data type *long long* is introduced in this version. The long long data type stores extended size integer values as 64-bit and is useful in for example metering applications.

Features to further simplify development of Renesas RL78 include functionality to invoke external analyzers for project files, which is often used as an interface to static analysis tools like PC-lint. Additional integration with external tools is the added custom argument variables which can be used in IAR Embedded Workbench for RL78 when sending arguments to an external build tool.

IAR Systems is the only tool vendor that supports the entire microcontroller portfolio from Renesas, and the company was the first one to offer support for RL78. IAR Systems continuously adds support for new Renesas devices and several are added in this version. Learn more about IAR Embedded Workbench for RL78 at www.iar.com/ewrl78.

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Editor's Note: IAR Systems, IAR Embedded Workbench, C-SPY, C-RUN, visualSTATE, Focus on Your Code, IAR KickStart Kit, IAR Experiment!, I-jet, 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 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.