



Product News

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IAR Systems strengthens tools offering for developers working with Renesas RL78

The powerful toolchain IAR Embedded Workbench for RL78 is now available in an updated version to further ease development of applications based on Renesas low-power RL78 MCUs

Uppsala, Sweden—June 2, 2016—IAR Systems® introduces an updated version of the compiler and debugger toolchain IAR Embedded Workbench® for Renesas RL78. The new version extends code quality control possibilities through enhanced static analysis as well as support for the latest RL78 devices.

The enhanced static analysis functionality offers new checks within the add-on tool C-STAT®. C-STAT performs advanced analysis on the source code level. The new version adds approximately 150 new checks to the existing wide range of checks, including 90 new MISRA C:2012 checks and two new packages of checks. Several new options are also available, for example the possibility to enable or disable the false-positives elimination phase of the analysis as well as to exclude files from the analysis. C-STAT is fully integrated in the IAR Embedded Workbench IDE and aids developers in ensuring the code quality early in the development cycle. It detects defects, bugs, and security vulnerabilities as defined by CERT C/C++ and the Common Weakness Enumeration (CWE), as well as helps keeping code compliant to the coding standards MISRA C:2004, MISRA C++:2008 and MISRA C:2012.

“During the last year, we have seen an increased interest for our RL78 tools and we respond to these demands with a strengthened version of IAR Embedded Workbench for RL78,” says Micael Borgfeldt, Product Manager, IAR Systems. “The great code size optimizations included in the IAR C/C++ Compiler™ and the enhanced functionality in C-STAT ease development of low-power applications and ensure code quality for engineers working with Renesas RL78 MCUs.”

With more than 4,000 supported Renesas devices, IAR Embedded Workbench provides outstanding design flexibility for embedded developers working with the Renesas product portfolio. IAR Embedded Workbench for RL78 offers a complete development toolchain that includes the highly optimizing IAR C/C++ Compiler as well as the comprehensive C-SPY® Debugger. Version 2.21 of the toolchain also adds support for the new on-chip debugging emulator E2 emulator Lite and EZ-Cube from Renesas. More information about the tools is available at www.iar.com/iar-embedded-workbench/tools-for-rl78.

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Editor's Note: IAR Systems, IAR Embedded Workbench, IAR Connect, C-SPY, C-RUN, C-STAT, visualSTATE, IAR KickStart Kit, IAR Experiment!, 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 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.