Product News

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IAR Systems adds major new functionality to simplify development for Renesas V850 MCUs

New version further improves ease of use for developers working with the 32-bit V850 product families from Renesas Electronics

Uppsala, Sweden—June 4, 2013—Today, IAR Systems® launches a new version of its high-performance development tool suite IAR Embedded Workbench® for V850. In addition to improved optimizations and updated device support, version 4.10 adds plenty of user-friendly functionality. Further, the IAR C/C++ Compiler™ for V850 now supports the ISO/IEC 9899:1999 standard, known as C99.

Version 4.10 also adds IAR Systems' new text editor and source browser. The new text editor include features such as auto-completion, parameter hints, code folding, block select, block indent, bracket matching, zoom and word/paragraph navigation, while the new source browser adds features like *Go to Declaration* and *Find All References* to symbols. A browsable Call Graph window enables users to easily navigate through the function call hierarchy, displaying all calls made to and from each function from any source file in the active project. Users can choose to display all possible calls to or from a selected function, gaining a good overview of function calls and the relationships between different parts of the application. To make it easy for developers to use device configuration tools alongside IAR Embedded Workbench, project connections are introduced.

Together with various code generation improvements, the floating point library has been optimized for higher execution speed. The result for the Embedded Microprocessor Benchmark Consortium (EEMBC®) CoreMark® benchmark suite is now about 35 percent improved, compared with the previous version.

In the C-SPY® Debugger incorporated with IAR Embedded Workbench, Sampled Graphs are now available. Users can specify variables for which data samples should be collected and view the sampled data either in table format in the Data Sample window or as graphs in the Sampled Graphs window. Also available is a Custom SFR (special function register) window and a Macro Quicklaunch window. The custom SFR window lets users define custom SFRs in C-SPY with selectable access size and type. The Macro Quicklaunch window makes it possible to evaluate expressions and to launch C-SPY

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macros. The return value from the evaluated macro or expression is shown in a separate column and the user can retrigger the evaluation at any given point.

IAR Systems provides support for the entire line-up of Renesas microcontroller families in the world-leading development tool suite IAR Embedded Workbench. The tool suite includes the highly-optimizing IAR C/C++ Compiler and build tools and the comprehensive C-SPY Debugger incorporated into an easy-to-use integrated development environment (IDE). Read more about IAR Embedded Workbench for V850 and download free evaluation licenses at www.iar.com/ewv850.

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About IAR Systems

IAR Systems is the world's leading supplier of software tools for developing embedded systems applications. The software enables over 19,000 large and small companies to develop premium products based on 8-, 16-, and 32-bit microcontrollers, 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