



Product News

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IAR Systems reveals support for RZ/T1 factory automation network solution from Renesas Electronics

IAR Embedded Workbench and Renesas' ARM Cortex-R4F-based RZ/T1 group provide the industrial field with increased efficiency through real-time control and network connectivity

Tokyo, Japan / Uppsala, Sweden—November 18, 2014—IAR Systems® announces support for the new RZ/T1 group from Renesas® Electronics Corporation. The RZ/T1 group is a factory automation solution with built-in industrial network functionality for use in industrial control equipment. Thanks to a close relationship with Renesas, IAR Systems supports RZ/T1 on an early stage through the world-leading C/C++ compiler and debugger toolchain IAR Embedded Workbench®.

IAR Systems is the only tools vendor to provide development tools for the entire line-up of Renesas MCUs. In total, more than 4,000 Renesas devices are supported. The new RZ/T1 group is targeted for industry solutions with a focus on factory automation, control systems and industrial equipment. The tightly coupled memory of 544 KB enables high-speed real-time application execution without disruptions. The group includes hardware support for several industrial Ethernet protocols, enabling customers to achieve high-speed, high-precision processing with one single chip, increasing productivity and potentially reducing costs.

“We are very glad that IAR Systems provides early support for our new RZ/T1 group,” says Akira Denda, General Manager of Industry & Appliance Business Division, Renesas Electronics Corporation. “IAR Systems' high-performance development tools will help our customers to reduce product development time and deliver real-time control and network connectivity to the industrial market in a timely manner.”

“Renesas' new RZ/T1 group is a true representation of a solution for the IoT era, providing not only improved real-time performance to factory automation, but also improved connectivity through industrial Ethernet,” says Stefan Skarin, CEO, IAR Systems. “Developers using IAR Embedded Workbench will be able to maximize the benefits of this technology. In addition, IAR Embedded Workbench supports not only all of the ARM cores, but also all Renesas MCU families. This means our customers can work with

– more –

the whole line-up of Renesas MCUs using the same development toolchain.”

IAR Embedded Workbench incorporates a compiler, an assembler, a linker and a debugger into one user-friendly integrated development environment. In addition to highly optimizing build tools, the toolchain offers extensive debugging features such as complex code and data breakpoints, runtime stack analysis, call stack visualization, code coverage analysis and power consumption monitoring. The toolchain is integrated with leading RTOS and middleware products. IAR Systems also offer a range of integrated in-circuit debugging probes, providing a simple, seamless and flexible development workflow.

Support for the RZ/T1 group will be available in the next version of IAR Embedded Workbench for ARM®. More information about the toolchain is available at www.iar.com/ewarm.

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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.