

## Product News

**Date:** November 12, 2013

# IAR Embedded Workbench extracts the full potential of Renesas new high-performance RXv2 core

### **IAR Systems provides full development tools support for Renesas 32-bit RXv2 core introduced today**

Uppsala, Sweden—November 12, 2013—As the only tools provider covering the entire range of Renesas 8-, 16- and 32-bit microcontroller families, IAR Systems® is proud to announce full development tools support for the RXv2 core, a new, high-performance 32-bit RX CPU core for embedded devices in the consumer, industrial, and office equipment fields, introduced today by Renesas Electronics. As a result of the strategic alliance between IAR Systems and Renesas, early support for the new core is available in the world-leading C/C++ development tool suite IAR Embedded Workbench®.

Renesas has developed the RXv2 core to meet a growing demand for accessing high CPU processing performance while at the same time reducing power consumption and keeping system costs down. The new core targets consumer, industrial and office equipment fields and in particular applications for motor control and mechanism control applications. The RXv2 core is backwards compatible with Renesas' existing RXv1 core, while delivering improved performance and reduced power consumption. Compared to the previous RX generation, the new microcontrollers will deliver a reduction in power consumption of up to 40 percent, while gaining an up to 25 percent performance increase when used in combination with the IAR C/C++ Compiler™.

“Using IAR Systems’ tools will allow system designers to extract the full potential of our RXv2 core,” comments Kenji Horiuchi, General Manager of General Purpose Solutions Business Division, Renesas Electronics Corporation. “Since the development environment is essential to make full use of the processing power of the CPU, we have worked closely together with IAR Systems to ensure early support for the RXv2 core in IAR Embedded Workbench. Thanks to the tools’ powerful optimization technology, developers will be able to realize performance exceeding 4.0 CoreMark/Mhz and maximize the superior computer performance and power efficiency of the RXv2 microcontrollers.”

IAR Embedded Workbench for RX includes the IAR C/C++ Compiler, assembler, linker, library tools and the C-SPY® Debugger in a user-friendly integrated development environment. It is available in several editions, including a Baseline edition tailored for developers working with the smaller memory RX microcontrollers. IAR Embedded Workbench for RX version 2.50, which supports Renesas' new RXv2-based microcontrollers, is available already in November. More information about the tools is available at [www.iar.com/ewrx](http://www.iar.com/ewrx).

### Ends

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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](http://www.iar.com)