

## Product News

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# IAR Systems delivers even faster code for Renesas RL78 applications

Uppsala, Sweden—April 23, 2012—Today, IAR Systems® introduces version 1.20 of the high-performing development toolsuite IAR Embedded Workbench® for RL78. The new version brings highly efficient speed optimizations.

IAR Embedded Workbench is a full set of development tools for building and debugging embedded applications. It includes a project manager, editor, compiler, assembler, linker, debugger, and library tools in a user-friendly integrated development environment.

Thanks to the longstanding and solid relationship between IAR Systems and Renesas Electronics, IAR Embedded Workbench for RL78 was the first set of development tools to be made available for the RL78 family. From start, the compiler has created very compact code, for example by using intelligent linking and making full use of the hardware multiplier/divider for faster arithmetic. This makes the execution run faster and allows the microcontroller to enter one of its low-power modes after fewer clock cycles. Because the RL78 family is specifically designed for use in low-power applications, the power-saving contribution from having highly optimized code is extremely valuable.

Version 1.20 of IAR Embedded Workbench for RL78 brings even more improved optimizations. The code generated for integer arithmetic and floating-point operations is now several times faster compared to the previous version. Code inlining has also been improved and smaller and faster math functions are now available in the runtime libraries as an alternative to the default, more precise, implementation.

The new version also introduces new device support, OCD trace support, Subversion integration, and a new licensing management system with features such as commuter licenses, automatic license activation, and support for virtual servers. Also added is support for XLINK checksum units larger than 8 bits. This makes it possible to match the linker-generated checksum with the one computed by the RL78 CRC hardware.

Evaluation licenses of IAR Embedded Workbench for RL78 are available for download at [www.iar.com/ewrl78](http://www.iar.com/ewrl78).

### Ends

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### Renesas RL78 Green Energy Challenge

Renesas has teamed up with IAR Systems and is challenging you to develop a unique low-power application using the RL78 MCU and IAR Embedded Workbench. Succeed and win great prizes! Read more at [www.circuitcellar.com/contests/renesasRL78challenge](http://www.circuitcellar.com/contests/renesasRL78challenge)

### IAR Systems Contact

Fredrik Medin, Marketing Director, IAR Systems

Tel: +46 18 16 78 00      E-mail: [fredrik.medin@iar.com](mailto:fredrik.medin@iar.com)

### About IAR Systems

IAR Systems is the world's leading supplier of software tools for developing embedded systems applications. The software enables over 14 000 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)