



## Product News

Date: February 17, 2016

# IAR Embedded Workbench supports Renesas Graphics Library for automotive instrument cluster development

Uppsala, Sweden—February 17, 2016—IAR Systems®, the world's leading supplier of embedded development tools, announces that the Renesas Graphics Library can be generated with the development toolchain IAR Embedded Workbench® for RH850 and a proof of concept has been done successfully. The extended library support applies to the RH850/D1L and RH850/D1M Groups.

Specifically addressing the needs of the automotive industry, the RH850 microcontrollers offer features such as ultra-low power, high temperature tolerance, multi-core technology, and compliance with AUTOSAR. The RH850/D1L and RH850/D1M Groups of 32-bit automotive microcontrollers are specialized for instrument clusters and incorporates a large-capacity RAM and Renesas' newly developed high-functionality graphics engine supported by Renesas Graphics Library (RGL)—a driver stack for all graphic related macros. The RGL includes a simple interface for graphics programming and ready-to-use drivers for video and graphics processing units. It is easy to integrate into the development environment, whether a real-time operating system is being used or not.

IAR Embedded Workbench for RH850 is a complete development toolchain including the highly optimizing IAR C/C++ Compiler™ and the comprehensive C-SPY® Debugger incorporated in a user-friendly integrated development environment. With the added support for RGL, developers are now able to build functions from the library with the powerful IAR C/C++ Compiler.

Thanks to its longstanding collaboration with Renesas, IAR Systems is able to deliver high-performing development tools for the entire lineup of Renesas microcontrollers. This enables IAR Systems' customers to move freely between different architectures, choosing the one best suited for a specific application, while using the same development tools. It also simplifies migration and reuse of code.

IAR Embedded Workbench for RH850 is compliant with Renesas ABI (Application Binary Interface), which ensures link compatibility between toolchains. This makes it possible for IAR Embedded Workbench users to utilize libraries created with other Renesas ABI-compliant software tools. Renesas E1/E20 emulators are supported, as well as kernel-aware debugging with built-in plug-ins for a large

– more –

number of real-time operating systems. Support for RGL is available from version 1.20.3. More information is available at [www.iar.com/iar-embedded-workbench/tools-for-rh850](http://www.iar.com/iar-embedded-workbench/tools-for-rh850).

Please contact Renesas Electronics regarding the commercial and licensing conditions of the Renesas Graphics Library.

### Ends

***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.*

#### **IAR Systems Contacts**

AnnaMaria Tahlén, Professional Communicator, Corporate Marketing, IAR Systems

Tel: +46 18 16 78 00      Email: [annamaria.tahlen@iar.com](mailto:annamaria.tahlen@iar.com)

Stefan Skarin, CEO, IAR Systems

Tel: +46 18 16 78 00      Email: [stefan.skarin@iar.com](mailto:stefan.skarin@iar.com)

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