



Product News

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IAR Systems provides high-class development tools for the new automotive Freescale S32K

IAR Embedded Workbench and the new S32K MCUs will offer developers new possibilities to meet increasing demands for high performance and functional safety in the automotive market

Freescale Technology Forum, Austin, US—June 23, 2015—IAR Systems® announces extensive development tools support for the new S32K product line from Freescale Semiconductor. The new microcontrollers are tailored for automotive applications and will be supported by the complete C/C++ compiler and debugger toolchain IAR Embedded Workbench® for ARM. AUTOSAR Microcontroller Abstraction Layer (MCAL) support for the toolchain will also be available.

Since the introduction of the Kinetis product series from Freescale, IAR Systems has delivered industry-leading development tools for Freescale's ARM Cortex®-based MCUs. The new S32K product line is based on the ARM Cortex-M4 architecture and provides scalability and compatibility within an area of the automotive market traditionally served by a mix of 8-, 16- and 32-bit solutions. The new MCUs deliver professional software for AUTOSAR MCAL and other functionality, and include an IEEE-754 compliant Floating Point Unit (FPU).

Included in the S32K microcontroller product line is the S32 Design Studio, an open integration environment with software and tools plugin availability. Developers can use the IAR Embedded Workbench IDE and connect to S32 Design Studio through the available project connection functionality. Optionally, IAR Systems also provides a complete toolchain plugin for Eclipse integration of IAR Embedded Workbench. The plugin enables developers to make use of IAR Systems' powerful compiler and comprehensive debugger from within S32 Design Studio.

"Our new S32K product line provides extensive possibilities for developers to save precious time through reusing and future-proofing their designs", says Manuel Alves, Global Product Line Manager, Freescale Semiconductor. "IAR Systems' powerful development tools and the S32K will together enable rapid development of automotive software with gained efficiency through all phases of the development process."

"The S32K product line and IAR Embedded Workbench will be a perfect match for customers

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demanding high performance, AUTOSAR support and functional safety in their designs,” says Robert DeOliveira, Director Global Strategic Sales, IAR Systems. “We are really glad to be able to provide high-class development for Freescale’s new automotive MCUs, which will further drive the development of automotive software.”

The complete C/C++ compiler and debugger toolchain IAR Embedded Workbench features comprehensive debugging possibilities and smart integrated profiling tools and is available with build chain certification according to the automotive functional safety standard ISO 26262. In addition, IAR Systems offers fully integrated static and runtime analysis tools for complete code control. More information about IAR Embedded Workbench for ARM is available at www.iar.com/iar-embedded-workbench/arm/.

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Editor's Note: IAR Systems, IAR Embedded Workbench, C-SPY, C-RUN, C-STAT, visualSTATE, Focus on Your Code, 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.

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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.