

Product News

Date: January 29, 2013

Freescal[®] Semiconductor partners with IAR Systems to reach new performance high

Benchmarks for Freescal[®]'s Kinetis[®] K70 microcontrollers demonstrate unmatched scores for code speed using development tools from IAR Systems

Uppsala, Sweden—January 29, 2013— IAR Systems[®] today announced that its development tool suite IAR Embedded Workbench[®] has helped partner Freescal Semiconductor achieve unmatched performance scores for its Kinetis K70 microcontroller (MCU) series. The scores were measured on the industry-standard CoreMark[®] benchmark, where the Kinetis K70 MCU together with IAR Embedded Workbench attained a score of 3.40 CoreMark/MHz.

“The powerful optimizations provided by IAR Embedded Workbench deliver outstanding performance for a Kinetis microcontroller,” says Geoff Lees, senior vice president and general manager of Freescal’s MCU business group. “Our Kinetis K70 series is designed for scalable performance, integration, connectivity, communications, HMI and security, and features exceptional integration along with powerful signal conversion, conditioning and control. The latest version of IAR Embedded Workbench increases code efficiency and delivers more energy-efficient, higher performing embedded applications.”

Freescal’s Kinetis K microcontroller series is based on the ARM[®] Cortex™-M4 core. The series is built from 90 nm thin-film storage (TFS) flash technology and offers low power consumption combined with high performance and mixed signal analog integration. The Kinetis K70 MCU family features an integrated graphic LCD controller and a single-precision floating-point unit.

The top-ranking benchmark scores were accomplished using the latest version of IAR Embedded Workbench for ARM, version 6.50. IAR Embedded Workbench is a complete C/C++ development tool suite with support for all ARM cores. It features the powerful IAR C/C++ Compiler™ with multiple levels of high performance optimizations, as well as the comprehensive C-SPY[®] Debugger.

- Read more about IAR Systems’ tools for Freescal Kinetis microcontrollers at www.iar.com/kinetis.
- Download evaluation versions of IAR Embedded Workbench from www.iar.com/ewarm.

About CoreMark

CoreMark was developed by the Embedded Microprocessor Benchmark Consortium EEMBC®, a non-profit industry association for embedded microprocessor benchmarks. CoreMark is a simple, yet sophisticated, benchmark that is designed specifically to test the functionality of a processor core. Running CoreMark produces a single-number score allowing users to make quick comparisons between processors. Scores are published at www.coremark.org.

Ends

***Editor's Note:** IAR Systems, IAR Embedded Workbench, C-SPY, visualSTATE, The Code to Success, IAR KickStart Kit, I-jet, IAR and the logotype of IAR Systems are trademarks or registered trademarks owned by IAR Systems AB. All other products are trademarks of their respective owners.*

IAR Systems Contact

Fredrik Medin, Marketing Director, IAR Systems

Tel: +46 18 16 78 00 E-mail: 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