Product News

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STMicroelectronics selects IAR Embedded Workbench for record-breaking code speed

Uppsala, Sweden—December 17, 2012—IAR Systems® today announces that its development tool suite IAR Embedded Workbench® for ARM® has been selected by STMicroelectronics for its recently published outstanding scores on the CoreMark® benchmarks. The score 3.37 CoreMarks®/MHz is achieved using the latest version 6.50 of IAR Embedded Workbench for ARM with STMicroelectronics' STM32F417IGt6 microcontroller running at an operating frequency of 168 MHz from internal flash memory.

Compared to the previous world-leading version of IAR Embedded Workbench for ARM, these results are improved by as much as 13 percent. The latest record confirms that the combination of IAR Embedded Workbench and STM32 F4 MCUs provides the fastest performing code, pulling even further ahead of the competition. Developers choosing to work with development tools from IAR Systems can be sure to gain from the best optimizations currently available on the market.

STMicroelectronics' STM32 F4 series is targeted for demanding applications such as consumer audio accessories, industrial motor control, power management, medical equipment and security. Based on the ARM Cortex™-M4 core with Floating Point Unit (FPU), it features low-power consumption combined with advanced design and high-performance DSP capabilities.

IAR Embedded Workbench is a complete embedded development tool suite incorporating powerful compiler and debugger tools in a user-friendly integrated development environment (IDE). Optimizations are performed on multiple levels, core- and target-specific as well as generic. Free evaluation licenses are available for download at www.iar.com/ewarm.

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.

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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 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