Product News

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# IAR Systems dominates the tools market for ARM Cortex-M with leading code efficiency

Foster City, CA, United States—September 30, 2014—IAR Systems® announces that its ARM® development tools continue to deliver the market's best performance for ARM Cortex®-M microcontrollers. CoreMark® benchmark scores for the new ARM Cortex-M7 core adds to a row of unbeaten performance records for the highly optimizing IAR C/C++ Compiler™ for microcontrollers based on the ARM Cortex-M processor family.

IAR Embedded Workbench® is the leading development toolchain for ARM Cortex-M microcontrollers. In addition to the sophisticated IAR C/C++ Compiler, the tools include extensive debugging and analysis possibilities, and offer the broadest device support in the industry covering more than 3,000 ARM devices. Thanks to strong partnerships with the leading microcontroller manufacturers, IAR Systems is able to deliver market-leading performance across a wide spectrum of ARM Cortex-M-based processor families. This unique independence allows customers to pick and choose among the different microcontrollers, finding the perfect choice for their needs while feeling confident they will be able to maximize the features of the selected microcontroller.

**IAR Embedded Workbench for ARM delivers best-in-class CoreMark results for ARM Cortex-M:**

| ARM core | Device | Compiler | CoreMark/MHz |
|---|---|---|---|
| Cortex-M7 | ST STM32F756NGH6 | IAR C/C++ Compiler for ARM | 5.01 |
| Cortex-M4 | Freescale Kinetis K70 | IAR C/C++ Compiler for ARM | 3.40 |
| Cortex-M3 | Atmel SAM3SD8CAU | IAR C/C++ Compiler for ARM | 3.32 |
| Cortex-M0+ | Atmel SAM D20 | IAR C/C++ Compiler for ARM | 2.46 |
| Cortex-M0 | ST STM32F051C8 | IAR C/C++ Compiler for ARM | 2.20 |

Source: coremark.org

"The latest benchmark for the new ARM Cortex-M7 core is an additional proof of our world-leading performance for ARM," says Thomas Sporrong, Global FAE Manager, IAR Systems. "While providing advanced optimizations on multiple levels, our tools are easy to use and offer smart features such as runtime analysis, data visualization, code profiling and integrated monitoring of power consumption. This

lets our customers create the fastest, most compact applications and helps them keep up with project deadlines."

"Together with ARM and their new high-performance core we have reached a new milestone for ARM Cortex-M processors with a score above 5 CoreMarks/MHz. This not only shows the capabilities of our optimization team, but also the power of strong partnerships," says Stefan Skarin, CEO, IAR Systems. "Anyone looking at working with a microcontroller based on any of the ARM Cortex-M cores can be sure we are committed to supporting them with high-performance tools, a powerful ecosystem and a dedicated support and sales team eager to be of service."

CoreMark was developed by 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**

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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.