

Product News

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IAR Systems adds support for Atmel's new SAM D20 microcontrollers based on ARM Cortex-M0+

Uppsala, Sweden—July 3, 2013—Today, IAR Systems® announces development tools support for the ultra-low power SAM D20 microcontroller series from Atmel Corporation. Support is available using the high-performance tool suite IAR Embedded Workbench® for ARM®, which features highly optimizing build tools and comprehensive debugging capabilities, including innovative Power Debugging technology.

Atmel's SAM D20 series is based on the low-power ARM Cortex™-M0+ core and integrates features such as high-precision 12-bit analog and internal oscillators, up to eight 16-bit timer/counters, real-time performance, peripheral event system, and flexible clocking options and sleep modes. The series are designed for use in home automation, consumer, smart metering and industrial applications.

The complete development toolchain IAR Embedded Workbench for ARM includes the IAR C/C++ Compiler™, assembler, linker, librarian, text editor, project manager, and C-SPY® Debugger in a user-friendly integrated development environment. The toolchain provides highly optimizing build tools and extensive debugging and analysis possibilities such as complex code and data breakpoints, runtime stack analysis, call stack visualization, code coverage analysis and integrated monitoring of power consumption. Added by the recently released version 6.60 is support for IAR Systems' I-scope™ probe, which is used together with the in-circuit debugging probe I-jet™ and adds capabilities for current and voltage measurements. The measurements supply developers with knowledge about the power consumed by individual modules and allow them to optimize their applications for power consumption, hereby making full use of the energy-efficient features of the SAM D20 series.

"Atmel and IAR Systems are long-time partners and we are glad to gain early support for our SAM D20 series in the powerful toolchain IAR Embedded Workbench," said Joerg Bertholdt, Director of Tools and Software, Atmel Corporation. "The new series adds to our broad portfolio, ranging from 8-bit AVR MCUs to high-end Cortex-A5 MPUs. Our customers can trust IAR Systems to provide world-leading tools for our complete range of rich-peripheral, ultra-low-power MCUs."

Support for the SAM D20 family is available using IAR Embedded Workbench for ARM, version 6.60 and later. More information about the tools, and free evaluation licenses, are available at www.iar.com/ewarm.

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***Editor's Note:** IAR Systems, IAR Embedded Workbench, C-SPY, visualSTATE, The Code to Success, IAR KickStart Kit, I-jet, I-scope, 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.*

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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 19,000 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