

## SEGGER J-Link supports Cortex-M0+ based Atmel SAM D20

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SEGGER enables debug support for Atmel's new Cortex-M0+ based microcontroller SAM D20 from day one with the J-Link family of debug probes. The SAM D20 is the first device from Atmel based on the low-power processor Cortex-M0+ from ARM.

The Cortex-M0+ core has 4 hardware breakpoints which can be used in internal flash memory. The J-Link family can enhance the debug experience for the developer with the unlimited number of Flash Breakpoints. This feature, available in J-Link PLUS, J-Link ULTRA+, J-Link PRO and J-Trace, allows the developer to set an unlimited number of breakpoints in internal and external flash memory.

"As a result of our long term partnership with Atmel J-Link is the first debug probe supporting the SAM D20, Atmel's first Cortex-M0+ based microcontroller", says Dirk Akemann, Marketing Manager at SEGGER.

"The addition of the J-Link and the J-Link-based SAM-ICE for our recently launched SAM D20 Cortex M0+-based family gives customers market-leading debugging and programming capabilities required for their projects", says Joerg Bertholdt, Director of Software and Tools, Atmel Corporation. "With strong eco-system partners such as SEGGER, designers can have the confidence that Atmel provides all the right tools for every design."

More details on the performance of J-Link can be found at:

<http://www.segger.com/jlink-flash-download.html>



### About J-Link

The SEGGER J-Link is the most popular debug probe on the market. It is tool chain independent and works with commercial IDEs from: Atmel, Atollic, Coocox, Freescale, IAR, i-Systems, ImageCraft, KEIL, Mentor Graphics, Phytion, Rowley, Renesas, Tasking and others, as well as free GDB-based tool chains such as emIDE and EmBlocks. With the J-Link family, investments in the debug probe are likely preserved when changing compiler or even CPU architecture.

J-Link supports multiple CPU families, such as ARM 7, 9, 11, Cortex-M0, M0+, M1, M3, M4, R4, A5, A8, A9 as well as Renesas RX610, 620, 62N, 62T, 630, 631, 63N; there is typically no need to buy a new J-Link or new license when switching to a different CPU family or tool-chain. SEGGER is also continuously adding support for additional cores, which in most cases, only requires a software/firmware update. Unlimited free updates are included with even the baseline model of the J-Link. SEGGER is excited to continue advanced development of its cutting edge embedded tool solutions to be utilized with pretty much any development environment you choose. All J-Links are fully compatible to each other, so an upgrade from a lower-end model to a higher-end model is a matter of a simple plug-and-play.

Different architectures, same debug probe!

Full product specifications are available at: <http://www.segger.com/jlink.html>

The J-Link-Software is available at: [http://www.segger.com/download\\_jlink.html](http://www.segger.com/download_jlink.html)

U.S. On-Line Web Shop: <http://shop-us.segger.com>

Online Shop (Europe, Asia, Africa): <http://shop.segger.com>



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## About SEGGER

**SEGGER Microcontroller** develops and distributes hardware and software development tools as well as software components for embedded systems. An "embedded system" is one in which a microprocessor and associated components are incorporated into a device helping to accomplish difficult and complex tasks in products such as cell phones, medical instruments, instrument clusters, measurement instruments, satellite radios, digital cameras etc.

SEGGER was founded in 1997, is privately held, and is growing steadily. Based in Hilden with distributors in all continents and a local office in Massachusetts, SEGGER offers its full product range worldwide.

SEGGER software products include: embOS (RTOS), emWin (GUI), emFile (File System), emUSB (USB host and device stack) and embOS/IP (TCP/IP stack). With the experience in programming efficiently on embedded systems, SEGGER created highly integrated, cost-effective programming and development tools, such as the Flasher (stand-alone flash programmer) and the industry leading J-Link/J-Trace emulator.

SEGGER's intention is to cut software development time for embedded applications by offering affordable, high quality, flexible and easy-to-use tools and software components allowing developers to focus on their applications. Find out more at <http://www.segger.com>.

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