

Free SWO Monitor for J-Link

Hilden, Germany - June 8th, 2012 – SEGGER introduced SWOViewer – a new, free-of-charge utility for the industry leading debug emulator, J-Link. This utility displays the terminal output of the target using the SWO pin.

SWOViewer can be used without a debugger to capture terminal output independently from the debugger. Additionally, it can be run side by side with a debugger which does not support terminal output via SWO, such as GDB or GDB/Eclipse. SWOViewer is part of the latest J-Link software package which can be downloaded free of charge from SEGGER's website. It does not require a license and can be used on any current J-Link model.

"Many customers using GDB and Eclipse, have been asking us for such a tool in order to take advantage of this unique feature of the Cortex-M series CPUs. It also comes in handy when supervising a target outside of the control of the debugger. We believe it adds more value to the J-Link offering for anybody using a Cortex-M family CPU", says Dirk Akemann, marketing manager of SEGGER.

Behind the Technology

SWO is a dedicated pin of ARM's Cortex-M debug interface. While it can be used to output various information in real time via the CPU, its main use is to handle terminal output in real-time with very low intrusion. This permits most programs to perform debug outputs via terminal without losing their real-time behavior. More information about J-Link SWOViewer: <http://www.segger.com/j-link-swo-viewer.html>

About J-Link

The SEGGER J-Link is the industry-standard for ARM debug emulators, supported by all major tool chains for ARM cores. The SEGGER J-Link is independent and will work with IDEs from: Freescale, IAR, KEIL, Mentor Graphics, Rowley, Renesas, Tasking, Phyton and others. In addition to those listed above; any RDI compliant debugger can be used with the optional RDI module, and any GDB compliant debugger with the free GDB-Server. Therefore; as projects change, a different compiler/debugger may have to be used. With the J-Link family, investments (monetary and learning curve) in development/production tools are preserved. Setup of a J-Link is done in mere minutes.

J-Link supports multiple CPU families, such as ARM 7, 9, 11, Cortex-M0, M1, M3, M4, R4, A5, A8, A9, Renesas RX in a single model; 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.

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

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