

Atollic Bundles SEGGER J-Link JTAG Probe with TrueSTUDIO Embedded Development IDE

Atollic today announced the launch of a complete embedded development package comprising its award-winning Atollic TrueSTUDIO C/C++ development tool, and the J-Link JTAG debug probe from SEGGER Microcontroller. With this package, embedded C/C++ developers get a state-of-the-art tool chain for professional ARM® development, and a high-quality JTAG probe for the most demanding of debugging tasks.

“With the bundling of J-Link, the most feature-rich development tool for ARM devices gets even more complete”, says Magnus Unemyr, Vice President of Sales and Marketing at Atollic. “We have deeply integrated J-Link into TrueSTUDIO and now offer embedded developers a one-stop-shop for professional development solutions”.

The J-Link debug probe integrates seamlessly into the Atollic TrueSTUDIO development environment, and provides a true “one-click” debug solution, simplifying daily use. The Atollic TrueSTUDIO project wizard auto-generates suitable debug configurations for J-Link and all supported evaluation boards. This provides developers with a comprehensive development and debug environment that works straight from the box.

"Atollic offers an excellent Eclipse-based development tool chain in TrueSTUDIO. With TrueINSPECTOR, TrueVERIFIER and TrueANALYZER the tool chain is complemented by powerful test coverage solutions. Bundling TrueSTUDIO with the market-leading J-Link is the logical next step after improving the advanced J-Link integration in all their tools, from debugger to code-analyser," says Dirk Akemann, Partnership Marketing Manager at SEGGER.

SEGGER J-Link is a USB powered JTAG emulator for ARM devices, supporting the Serial Wire Debug (SWD) interface and Serial Wire Viewer (SWV) real-time tracing. J-Link is fully plug-and-play compatible, using a high-speed USB 2.0 interface. No extra power supply is required, as the debug probe is powered through the USB cable.

Advanced features, like Serial Wire Viewer (SWV), enable developers to do advanced system analysis and real-time tracing in the Atollic TrueSTUDIO debugger with a minimum of effort. Atollic TrueSTUDIO extracts tracing information from ARM Cortex® processors using the J-Link debug probe and presents it in real-time trace logs and graphical charts.

Atollic TrueSTUDIO was recently announced one of EDN magazine’s “Hot 100 products of 2011”. It supports most ARM-based devices and evaluation boards from leading semiconductor manufacturers. With its optimizing C/C++ compiler and

multiprocessor-aware debugger embedded developers can work more efficiently and be more productive. State-of-the-art features for code editing and navigation, code complexity management, and team collaboration are included too.

Atollic TrueSTUDIO is available with a number of optional add-on modules.

Atollic TrueINSPECTOR improves software quality by performing static source code analysis. It automatically detects potential coding problems and guides developers on compliance with “best-practice” coding standards, enabling development of a higher quality product in reduced time. Atollic TrueINSPECTOR also performs code quality reviews, generating reports listing quality metrics, including commenting level and code complexity measurement.

Atollic TrueANALYZER ensures test confidence by measuring test quality and performing in-target verification using dynamic execution-flow analysis to guarantee rigorous coverage measurement. Atollic TrueANALYZER supports different strengths of coverage analysis, even up to the Modified Condition/Decision Coverage (MC/DC) level, which for example is required for the majority of safety-critical aircraft software. Atollic TrueANALYZER has integrated J-Link support for code downloading and execution control in the target board.

Atollic TrueVERIFIER enables developers to achieve the highest level of software quality with minimum effort through automated embedded testing; by analyzing application source code, generating Unit Test suites and automatically compiling, downloading and running them in the target system. Atollic TrueVERIFIER has integrated J-Link support for code downloading and execution control in the embedded board.

For more information on Atollic, please visit www.atollic.com [1].

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[1] <http://www.atollic.com>