SEGGER introduces J-Link PRO PoE designed for test farms

Monheim am Rhein, Germany – October 4th, 2023

SEGGER's J-Link PRO PoE, a new member of the J-Link family, with its Power-over-Ethernet capability, is the ideal programming and debug probe for creating fast, automated, massively parallel, and reliable test farms.

Quality assurance requires testing, testing, and more testing. The J-Link PRO PoE makes automated mass testing simple as it has all the features of the J-Link PRO plus the ability to be powered via Ethernet. Power can be supplied to the target either via debug interface or a USB-A connector.

The option to supply power over Ethernet makes power to the device very easy to control: it can be switched on and off remotely using J-Link software. This is ideal for power cycling and rebooting or for turning off devices not in use.

In addition to controlling power, with a J-Link PRO PoE test farm it is possible to download firmware, run, debug, and test software on multiple devices simultaneously. Users can access devices from anywhere in the world using the J-Link Remote Server software or through remote access to the LAN, typically using a VPN tunnel.

"We engineered the J-Link PRO PoE especially for test farms running many target boards in parallel," says Rolf Segger, founder of SEGGER. "These test farms can access the same hardware in different configurations or a variety of completely different boards and with a variety of toolchains. The Power-over-Ethernet feature replaces the power switch and the farm adapter, minimizes the wiring requirement, and produces a very clean overall look. Testing new software is very easy with a well-designed test farm."

The built-in web server makes manual configuration easy. Ethernet allows the use of the debug probe far away from the PC, providing electrical isolation.

A test farm is also an ideal setup for firmware CI/CD (Continuous Integration/Continuous Delivery) whereby automated testing is integrated into the development process. Harnessing Jenkins, a source control system such as Git, and a J-Link-controlled test farm, source code changes by any engineer can be automatically tested with ease, and can simplify regression testing, patches, and release engineering.

As with the J-Link PRO, it comes with licenses for all software in the SEGGER J-Link software suite.

For information about J-Link test farms visit the SEGGER wiki page at https://wiki.segger.com/Test_Farm or the J-Link PRO PoE page at segger.com.

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About SEGGER

SEGGER Microcontroller, now in its fourth decade in the embedded system industry, produces cutting-edge RTOS and Software Libraries, the marketing-leading J-Link and J-Trace debug and trace probes, a fast, robust, reliable, and easy-to-use family of Flasher In-System Programmers and second-to-none software development tools.

SEGGER's all-in-one solution emPower OS provides an RTOS plus a complete spectrum of software libraries including communication, security, data compression and storage, user interface software and more. Using emPower OS gives developers a head start, benefiting from decades of experience in the industry.

SEGGER's professional embedded development software and tools are simple in design, optimized for embedded systems, and support the entire embedded system development process through affordable, high-quality, flexible, and easy-to-use tools.

The company was founded by Rolf Segger in 1992, is privately held, and is growing steadily. SEGGER also has a U.S. office in the Boston area and branch operations in Silicon Valley, Shanghai, and the UK, plus distributors on most continents, making SEGGER's full product range available worldwide.

For more information on SEGGER, please visit www.segger.com.

Why SEGGER?

In short, SEGGER has a full set of tools for embedded systems, offers support through the entire development process, and has decades of experience as the Embedded Experts.

In addition, SEGGER software is not covered by an open-source or required-attribution license and can be integrated into any commercial or proprietary product, without the obligation to disclose the combined source.

Finally, SEGGER offers stability in an often-volatile industry, making SEGGER a very reliable partner for long-term relationships.

For additional information please visit: www.segger.com

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