## SEGGER presents RTOS, stacks, middleware for RISC-V

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SEGGER presents a new embOS port for the Open Source RISC-V CPU architecture.

In addition to embOS, SEGGER offers emWin to construct user interfaces, emFile file system, emSSL, emSSH and emSecure to secure internet communications, cryprographic and security libraries for encryption, code signing and authentication (digital signatures), embOS/IP, emModbus, emUSB-Host and emUSB-Device communication stacks for Internet and industrial applications, and emLoad to enable firmware updates from portable storage or delivered over the air.

The industry-leading efficiency of embOS complements the high-performance and very low power consumption characteristics of RISC-V MCUs.

The embOS port comes with a board support package for the Digilent Artix-A7 ARTY evaluation board providing a straightforward getting-started experience with SEGGER software on RISC-V. Packages simply work, out of the box, without additional configuration or setup, and a ready-to-run project is included for Embedded Studio.

The embOS for RISC-V offering includes the highly respected embOS manual, which is both the definitive reference to the embOS API and a solid, yet accessible, tutorial for engineers unfamiliar with embedded RTOS concepts.

embOS is fully compliant with the MISRA-C:2012 standard and this makes it suitable for demanding automotive and high-integrity applications.

"With the introduction of embOS, their stacks and middleware supporting the RISC-V ISA, SEGGER demonstrates their expertise in creating highly-efficient software. With the embOS release, RISC-V users can benefit from low memory footprints which allows more room for the actual application", says Rick O'Connor, executive director of the non-profit RISC-V Foundation.

"RISC-V is a very promising CPU architecture. By adding our software to the RISC-V ecosystem we provide an end-to-end comprehensive solution from a single supplier for firmware and application developers using RISC-V devices", adds Til Stork embOS Product Manager at SEGGER.

More information on SEGGER's embOS priority-controlled multi-tasking platform is available at: https://www.segger.com/embos.html

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## About SEGGER

**SEGGER Microcontroller** is a full-range supplier of software, hardware and development tools for embedded systems. For more than 25 years SEGGER Microcontroller has been a reliable provider of soft- and middleware components. The company offers support throughout the whole development process with affordable, high quality, flexible and easy-to-use tools and components. SEGGER offers solutions for secure communication as well as data and product security, meeting the needs of the rapidly evolving IoT.  SEGGER was founded in 1992, is privately held, and is growing steadily. Headquartered in Germany with a US office

in the Boston area and distributors in all continents, SEGGER offers its full product range worldwide. For additional information, visit: https://www.segger.com

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