SEGGER's embOS-Ultra now available for RISC-V

Monheim am Rhein, Germany – November 10th, 2021

SEGGER's embOS-Ultra, a revolutionary new RTOS using Cycle-resolution Timing, is now available for RISC-V processors.

Cycle-resolution Timing eliminates the periodic tick interrupt, reducing CPU load and energy use. Scheduling of all time-based events such as timeouts, delays, and periodic timers, can now be specified in microseconds or CPU cycles. Cycle-resolution Timing technology replaces target-specific techniques for precise timing with clean and consistent API calls.

"We have made our new embOS-Ultra available for RISC-V as part of our continued support for the ever-growing RISC-V community," says Ivo Geilenbruegge, Managing Director of SEGGER. "As a strategic member of the RISC-V Foundation, we have optimized our software and development tools for the industry at a very early stage. We remain committed to adapting our products to the evolving RISC-V market, keeping them truly future-proof."

Upgrading to embOS-Ultra from embOS simply works as it maintains full API compatibility with classic embOS. At the same time, it provides CPU-cycle precision for scheduling through additional API calls. No application changes are required as the existing API and RTOS behavior is maintained. The traditional embOS API can be used together with the extended high-precision embOS-Ultra API in the same application; there is no need to choose one or the other.

Applications can instantly benefit from the upgrade to embOS-Ultra, saving energy due to the elimination of the periodic tick and the ability to schedule in microseconds or even CPU cycles.

For more product information, please visit:
https://www.segger.com/products/rtos/embos/editions/embos-ultra/

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About SEGGER

SEGGER has over twenty-nine years of experience in Embedded Systems, producing cutting-edge RTOS and Software Libraries, J-Link and J-Trace debug and trace probes, a line of Flasher In-System Programmers and 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 software and tools for Embedded System development are designed for simple usage and are optimized for the requirements imposed by resource-constrained embedded systems. The company also supports the entire development process with affordable, high-quality, flexible, 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.

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 in 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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