SEGGER's RTOS embOS receives STMicroelectronics' quality label "MadeForSTM32 v2"

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SEGGER's real time operating system (RTOS) embOS has been awarded STMicroelectronics' "MadeForSTM32 v2" certificate. embOS is part of SEGGER's all-in-one embedded operating system emPower OS.

MadeForSTM32 is a quality label granted by ST after an extended evaluation process. It helps engineers identify software solutions with the highest level of integration, maintenance, and service support to improve time to market and the overall quality of their solution.

Version 2 of the MadeForSTM32 label extends the interoperability of the STM32Cube Expansion packages, easing the application integration within STM32CubeMX and STM32CubeIDE software development tools.

embOS was one of the first solutions to earn the MadeForSTM32 (v1) label in an advanced collaboration of SEGGER and STMicroelectronics and now has been granted MadeForSTM32 (v2) as well. As a result, SEGGER has published the official I-CUBE-EMBOS expansion for STM32CubeMX, which may be used to generate ready-to-go embOS projects for virtually all Cortex-M-powered STM32 devices.

"The MadeForSTM32 label guarantees seamless interoperability within the rich STM32Cube ecosystem across the wide STM32 portfolio," says Daniel Colonna, Marketing Director at STMicroelectronics. "embOS has earned the MadeForSTM32 label as an outstanding example of the tool's ease of use. By being listed as an STM32Cube Expansion in STM32CubeMX tool, developers have assurance that I-CUBE-EMBOS can be easily selected as an alternate RTOS."

"We are very pleased to be able to further extend our partnership with STMicroelectronics with this additional labeling of embOS for the benefit of STM32 developers," commented SEGGER's CEO Ivo Geilenbruegge. "By offering tickless support, embOS can reduce the number of system tick interrupts significantly and therefore deliver significant energy savings while also being highly modular, which means the RTOS footprint is very small. The result is a simple plug-and-play installation of embOS into the popular STM32Cube environment, which simply works."

About embOS

embOS is a highly efficient, priority-controlled real time operating system, designed to be the foundation for the development of embedded real time applications. embOS is chosen by many engineers all over the world.

embOS offers incomparable ease of use and guarantees 100 % deterministic real time operation. It is highly portable and fully source-compatible on all platforms, making it simple to port applications to different architectures. Tasks can easily be created and safely communicate with each other using semaphores, mailboxes, and events.

embOS is deployed in several billion devices and is the de facto standard for reliable embedded products. The high-performance RTOS has been optimized to minimize its memory footprint in both RAM and ROM, as well as for high speed and versatility. SEGGER's embOS runs on all ST microcontrollers. SEGGER provides preconfigured projects that run instantly, right out of the box, for all popular ST evaluation boards.

Find out more about the MadeForSTM32 certification for embOS:
https://www.segger.com/products/rtos/embos/tools/third-party-support/made-for-stm32/

For more information on SEGGER's RTOS embOS and emPower OS, please visit:
https://www.segger.com/products/rtos/embos/
https://www.segger.com/products/empoweros/

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About SEGGER

SEGGER Microcontroller has over twenty-eight years of experience in Embedded Computing Systems, producing state-of-the-art software libraries, and offering a full set of hardware tools (for development and production) and software 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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