

SEGGER and Renesas deliver Device Lifecycle Management (DLM) for RA MCUs

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SEGGER, in cooperation with Renesas, has further expanded the features offered by SEGGER's professional line of [Flasher in-circuit programmers](#). In addition to high-speed programming of Renesas RA4 and RA6 microcontrollers with Arm Cortex-M33 cores, SEGGER has now added Device Lifecycle Management (DLM) and Trustzone partitioning during mass production.

For owners of a current Flasher, installing these new features is as easy as simply downloading the latest software from segger.com. There is no charge, no license cost and no hidden fees.

SEGGER's solution can be seamlessly integrated into a standard production workflow — no third-party tools are required. The SEGGER Flasher, once configured, can work in stand-alone mode.

"We are pleased to see SEGGER continue to provide excellent support for Renesas' RA Family devices," says Bernd Westhoff, Renesas' Marketing Director for RA Family MCU. "Now they have demonstrated their expertise once more with the first support of Arm TrustZone[®] and our Device Lifecycle Management (DLM)."

"Supporting the widest possible range of devices, with all of their special features, is and has always been part of our Flasher product strategy," says Ivo Geilenbruegge, Managing Director of SEGGER. "Security for embedded devices remains a hot topic for SEGGER. That's why supporting the latest security features of Renesas RA devices was another important milestone for us. We are very happy that this could be implemented in close collaboration with Renesas."

[About SEGGER's in-circuit flash programmers](#)

SEGGER [Flashers](#) are a family of professional in-circuit programmers, designed to be used in service environments, prototype programming and for mass production. They program the flash (non-volatile) memory of microcontrollers and System-on-Chip (SoC) devices as well as QSPI flashes.

Flashers work with a PC or in stand-alone mode, connect via USB and/or Ethernet, and are multi-platform for Linux, macOS and Windows.



SEGGER's in-circuit flash programmers are fast, robust, reliable and easy to use. Whether the focus is on size, flexibility, portability, security or mass production, the SEGGER Flasher Family has the perfect programmer for the task at hand.

More information is available at:

www.segger.com/flasher

About Renesas RA Cortex-M33 MCUs

The Cortex-M33-based devices in the Renesas RA4 and RA6 families of MCUs build upon the security features provided by Arm's Trustzone-M functionality to offer additional levels of embedded security. The DLM defines the different phases of a device's life and controls the capabilities of the debug interface as well as the boot mode serial interface. At production time, the DLM state can be configured to lockdown debug and/or boot mode access — helping to keep the system and the software it contains secure.

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About SEGGER

SEGGER Microcontroller GmbH has three decades 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 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 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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