More than just in-system programming: SEGGER Flashers now support custom apps and board testing

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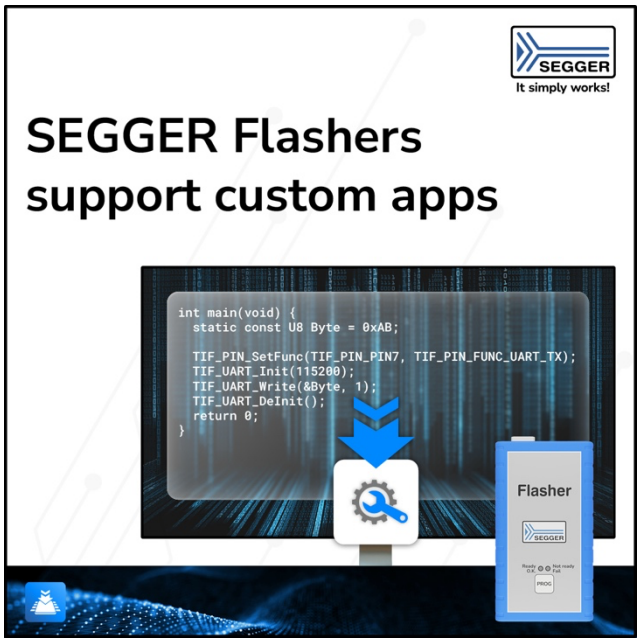
SEGGER announces a powerful new capability for its entire line of Flasher in-system programmers (ISPs), which includes the Flasher Portable PLUS; Flasher Pro; Flasher Compact; and the gang programmers Flasher Hub-4, Flasher Hub-12, and Flasher ATE2.



In addition to programming a target image, these devices can now run custom applications, or apps, thereby adding an entirely new layer of flexibility to the programming workflow.

SEGGER Flashers are capable of much more than programming firmware. Now, users can run one or multiple apps and integrate them into the programming process. For example, a test app can run self-diagnostics on a target board and confirm not only if a chip is programmed, but also whether the entire system is functioning correctly.

The introduction of in-system testing as an integrated part of ISP is a game-changing development in embedded systems.

“It’s amazing what can be done with these custom apps,” says Rolf Segger, Founder of SEGGER. “Programming, securing, testing — Flasher apps do it all. Our customers also love the fact that all programming algorithms are included. Switching to a different supported device is free and easy.”

In addition to conducting board tests, apps can unlock a target chip, perform Field-Programmable Gate Array programming, or even run boundary scans. This new functionality makes the SEGGER Flasher a versatile tool for any production environment.

Apps can be programmed in C using Flasher SDK, which comes with the compiler and App Builder required to build and test them. In addition, example code is included to make it easy to get started.

With the ability to run custom apps seamlessly, SEGGER takes ISP flexibility to a whole new level.

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About SEGGER Flashers

SEGGER Flashers are a professional line of ISPs designed for use in service environments, prototype programming, and mass production. They are capable of programming non-volatile flash memory in microcontrollers and systems on a chip, as well as external SPI-style flash memory and various other memories. The target interface is highly flexible, and it contains built-in support for JTAG, SWD, (Q)SPI, I2C, UART, and more. In addition, it can support almost any protocol and communication interface.

SEGGER Flashers can program almost anything, and they deliver programming speeds that are very close to the theoretical limit imposed by the hardware being programmed.

All SEGGER Flashers come with setup and control software that is compatible with Linux, macOS, and Windows. Software and firmware updates are provided at no additional cost, ensuring continued compatibility with currently supported devices, as well as with any devices added in the future. All listed programming algorithms (supported devices) are available, and there are no ongoing costs or fees. The initial cost is the only cost.

For a complete list of devices supported by SEGGER's J-Link debug probes and Flasher programming tools, visit www.segger.com.

About SEGGER

Founded in 1992, SEGGER Microcontroller GmbH has over 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 ISPs, and software development tools.

SEGGER's all-in-one solution emPower OS provides an RTOS and a complete spectrum of software libraries for, among other things, communication, security, data compression and storage, user-interface software, and more. emPower OS gives developers a head start, allowing them to benefit from decades of experience in the embedded 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 with their affordability, high quality, flexibility, and ease of use.

SEGGER, with headquarters in Monheim am Rhein, Germany, also has an office in Boston, Massachusetts, United States, and branch operations in Silicon Valley, California, United States; Shanghai, China; and the United Kingdom. With distributors on most continents, SEGGER's full product range is available worldwide.

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

Why SEGGER?

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

Furthermore, SEGGER software has no open-source or attribution licenses, and it can be integrated into any commercial or proprietary product — with no obligation to disclose

the combined source. SEGGER offers stability in an often-volatile industry, making it a highly reliable partner for long-term business relationships.

For additional information, visit www.segger.com.

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