SEGGER's STM32-SFI Flasher Commander secures firmware right up to the target

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SEGGER announces the launch of the STM32-SFI Flasher Commander, a free command line interface (CLI) tool, developed to support the Secure Firmware Installation (SFI) feature from STMicroelectronics.

As part of the production process of SFI-enabled STM32 microcontrollers, the IP owner sends encrypted firmware along with the matching firmware decryption key, which is securely stored on a Hardware Security Module (HSM), to the facility programming the microcontrollers for production. This can be a contract manufacturer or a distributor that offers mass programming of stocked devices for delivery.

At the programming facility, the STM32-SFI Flasher Commander interfaces with SEGGER's Flasher PRO, PRO XL, or Compact in-circuit programmers and transfers the encrypted firmware image and the matching firmware decryption key (also in encrypted form) to the target MCUs to be programmed.

 "As an active member of the ST Partner Program, we are happy to contribute reliable production tools for our mutual customers that fully embrace the specific production process of SFI-enabled STM32 microcontrollers," says Dirk Akemann, Marketing Manager at SEGGER. "Our aim is to always ensure that customers, ST's and ours, have the safest and most secure programming experience possible."

SEGGER will present the new STM32-SFI Flasher Commander at productronica in Munich, Germany, from November 14 to 17 at booth A1.174.

For more information, please visit https://wiki.segger.com/STM32-SFI_Flasher_Commander

About STMicroelectronics

ST is a global semiconductor company creating and delivering microchips for embedded systems from state-of-the-art manufacturing facilities. They work with customers and partners to design and build products, solutions, and ecosystems that address their challenges and opportunities and the need to support a more sustainable world. Technologies enable smarter mobility, more efficient power and energy management, and the wide-scale deployment of the Internet of Things and connectivity. Further information can be found at www.st.com.

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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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