

SEGGER's J-Trace PRO offers turnkey instruction tracing for ST's high-performance STM32N6 microcontrollers with AI acceleration

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SEGGER's [J-Trace PRO](#) now provides out-of-the-box instruction tracing for STMicroelectronics's STM32N6 microcontroller units (MCUs). Based on the Arm® Cortex®-M55 processor, the new MCUs are ST's most powerful for enabling high-performance edge-device artificial intelligence.

The STM32N6 series contains an embedded proprietary neural processing unit, multiple graphics accelerators, a computer vision pipeline, and a multimedia encoder and decoder.

J-Trace PRO is SEGGER's streaming trace probe that is capable of capturing full traces over long periods, allowing for recording of hard-to-reproduce and infrequently occurring bugs. It offers unlimited live code coverage and code profiling, and it makes use of a SuperSpeed USB 3.0 interface for continuous streaming traces. It also offers the SEGGER [J-Link](#) debug probe's full complement of debug features.

With J-Trace PRO, developers working with the STM32N6 series get fast and efficient data analysis, noticeable boosts in productivity, reduced risk levels, and lower costs. With trace support provided straight out of the package, and a sample project included, users can get up and running within minutes.

Finally, users can also benefit from other compatible products in the SEGGER toolchain, such as the [SystemView](#) real-time software analysis tool and the [Embedded Studio](#) all-in-one integrated development environment.

"SEGGER, an authorized ST partner, has further expanded support for our products," says Laurent Hanus, Microcontroller Ecosystem Product Marketing Manager, STMicroelectronics. "Within the embedded industry, SEGGER's J-Trace PRO product family has a long-standing reputation for quality, reliability, and ease of use. The ability to get key device features up and running as well as optimize embedded systems of all kinds is going to benefit a wide range of users, regardless of their experience level."

"SEGGER J-Trace streaming trace probes are the market's leading solution for analyzing, verifying, and profiling code," says Dirk Akemann, Head of Technical Marketing, SEGGER. "Developers using these new MCUs from ST will, no doubt, be looking for advanced tracing features, and they won't need to look any further than J-Trace PRO."



A complete list of devices supported by J-Link/J-Trace is available [here](#).

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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 in-system programmers](#), 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, please 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 is not covered by an open-source or attribution license, 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 relationships.

For additional information, please visit www.segger.com.

Contact information:

Dirk Akemann
Head of Technical Marketing
Telephone: +49-2173-99312-0
E-mail: info@segger.com

Issued on behalf of:

SEGGER

Microcontroller GmbH

Ecolab-Allee 5

40789 Monheim am Rhein

Germany

www.segger.com

SEGGER

Microcontroller Systems LLC

Boston area

101 Suffolk Lane

Gardner, MA 01440

United States of

America

SEGGER

Microcontroller China Co., Ltd.

Room 218, Block A,

Dahongqiaoguoji

No. 133 Xiulian Road

Minhang District, Shanghai 201199

China

www.segger.cn

Silicon Valley

Milpitas, CA 95035, USA

United States of America

www.segger.com

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