

SEGGER J-Link, Flasher, and Embedded Studio Now Support Raspberry Pi RP2040

Monheim am Rhein, Germany – March 11th, 2021

Microcontrollers are the workhorses powering the digital transformation of our world. RP2040 is the debut microcontroller from the Raspberry Pi Foundation and is now fully supported by SEGGER J-Link.

The RP2040 features dual Cortex-M0+ cores, both of which can be programmed and debugged using [J-Link](#). The market-leading performance of J-Link programs the entire RP2040 RAM in 0.25 seconds, and downloads at 340 kB/sec into QSPI flash. It also includes an unlimited number of breakpoints, even in flash memory, as well as the SEGGER [GDB Server](#), making it compatible with all popular development environments, and SEGGER's [Real Time Transfer \(RTT\)](#), the proven technology for interactive user I/O in embedded applications.

Having J-Link support makes SEGGER's entire portfolio of software tools available with [Embedded Studio](#), [SystemView](#), [Ozone](#), and the J-Link tools. These include both the command-line programs and GUI tools such as [J-Flash](#), [J-Flash SPI](#), [J-Scope](#), the [J-Link Configurator](#), and the GUI version of the SEGGER [GDB Server](#).

SEGGER J-Links are the most widely used line of debug probes on the market. They have provided solid value to embedded development for over a decade. Unparalleled performance, an extensive feature set, many supported CPUs and compatibility with popular environments all make [J-Link](#) an unbeatable choice.

The Raspberry Pi Pico evaluation board comes with a 2 MB QSPI flash on board and an external 3-pin SWD debug connector. To set the board up for easy and reliable use with [J-Link](#), the SEGGER [Flying Wire Adapter](#) is recommended. The corresponding pins must be soldered onto the board before use. On custom boards equipped with the RP2040, any other QSPI flash supported by [J-Link](#) can also be used.

"We are very pleased that SEGGER now supports the RP2040," commented Gordon Hollingworth, Chief Product Officer of the Raspberry Pi Foundation. "This massively expands the ecosystem. I am convinced this will boost the popularity of Raspberry Pi Foundation's first microcontroller."

SEGGER encourages students and hobbyists to use its tools for further education, build passion projects, and develop careers. SEGGER also offers educational versions





of the popular J-Link debug probe. The [J-Link EDU](#) and [J-Link EDU Mini](#) are available for educational purposes at minimal costs. Making professional tools available to students, anywhere in the world, opens opportunities for all. SEGGER proudly supports the next generation of Embedded Experts!

For more on the J-Link Software Pack please see:

<https://www.segger.com/downloads/jlink#J-LinkSoftwareAndDocumentationPack>

For more on J-Link, and for a full list of J-Link-related tools, please visit:

www.segger.com/products/debug-probes/j-link/

For more on Flying Wire Adapter please see:

<https://www.segger.com/products/debug-probes/j-link/accessories/adapters/segger-flying-wire-adapter/>

About J-Link and the Flasher Family

SEGGER J-Links are the most widely used line of debug probes on the market. [J-Link](#), with features such as [Real Time Transfer \(RTT\)](#), the proven technology for interactive user I/O in embedded applications, and High Speed Sampling (HSS), opens the door to all major development tools, from commercial tool chains to GDB driven ones. With J-Link comes [J-Scope](#) for Real Time Data Visualization and [Ozone](#), the J-Link debugger. Also available is SEGGER [Embedded Studio](#) for generating and downloading programs using J-Link.

SEGGER's [Flasher](#) family of in-circuit flash programming tools is the perfect choice for production environments. 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.

###

About SEGGER

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

SEGGER provides an RTOS plus a complete spectrum of software libraries including communication, security, data compression and storage, user interface software and more. Using SEGGER software libraries gives developers a head start, benefiting from decades of experience in the industry.

SEGGER's professional software libraries 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 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

Contact information:

Dirk Akemann

Marketing Manager

Tel: +49-2173-99312-0

E-mail: info@segger.com

Issued on behalf of:

SEGGER

Microcontroller GmbH

Ecolab-Allee 5
40789 Monheim
Germany

www.segger.com

SEGGER

Microcontroller Systems LLC

101 Suffolk Lane
Gardner, MA 01440
United States of America

www.segger.com

SEGGER

Microcontroller China Co., Ltd.

Room 218, Block A, Dahongqiaoguoji
No. 133 Xiulian Road
Minhang District, Shanghai 201199
China

www.segger.cn

All product and company names mentioned herein are the trademarks of their respective owners. All references are made only for explanation and to the owner's benefit.