

SEGGER's J-Link OB plays crucial role in new BBC 'HiFive Inventor' educational kit

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SEGGER's J-Link on-board debug probes can be found on hundreds of different evaluation boards and single-board computers around the globe. But few are as prominent as the BBC Doctor Who [HiFive Inventor](#) Coding Kit. It is a new children's IoT coding platform created by US educational coding firm Tynker and RISC-V IP provider SiFive, and backed by BBC Studios (a division of the BBC).

The HiFive Inventor Coding Kit comes in a hand-shaped enclosure with a matrix of LEDs on the front. It is powered by a 150-MHz SiFive FE310 RISC-V processor and has built-in Wi-Fi and Bluetooth. Guided by Tynker's educational coding package, students can read data from the on-board suite of sensors and program on-device decisions to display results using the fun and colorful LED-matrix display.

"We are very pleased to see our J-Link OB as a key component of the HiFive Inventor Coding Kit. As such, it will reach the desks of hundreds of thousands, if not millions, of kids and students, helping to educate the next generation of programmers and

software architects," says Axel Wolf, Sr. Staff FAE at SEGGER US. "The J-Link OB enables both web-browser-based as well as drag-and-drop programming of executable files to the on-board QSPI flash. It also provides a JTAG interface for debugging the SiFive RISC-V processor. And on top of that, the J-Link OB establishes two virtual COM ports, allowing Windows, macOS, or Linux host computers to communicate with both the FE310 processor and the Bluetooth/Wi-Fi module. It's a real workhorse in a tiny package."

SEGGER J-Links are the most widely used line of debug probes available today. They have proven their value in embedded development for more than 15 years. This popularity stems from the unparalleled performance, extensive feature set, large number of supported CPUs, and compatibility with all popular development environments.

[SEGGER](#) encourages students and hobbyists to use its tools to 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 cost. 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 HiFive Inventor Coding Kit please see:





<https://www.tynker.com/about/press/2020/11-bbc-doctor-who-hifive-inventor-available-to-purchase-november-23-2020-doctor-who-day>

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/

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About SEGGER

SEGGER Microcontroller has over twenty-five 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

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