SEGGER's emWeb via USB: An easy way to connect a headless device

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SEGGER's emUSB-Web offers a new, simplified way to configure a device that does not have a display, i.e. a headless device.

Connecting a device that does not have a human interface is now as easy as plugging in a cable. emUSB-Web uses a USB charging port to connect to a PC, enabling configuration within the comfort of a web browser.

This technology is easily accessible for all USB devices, enhancing their value and ease of use. There is no need for buttons or a display on the unit, as any PC can be used to operate the device.

One example is a printer. Instead of the usual mini touch screen, emWeb via USB enables a printer to be headless. Connecting a printer via USB allows the user to configure WiFi or IP address, paper type and print quality, status information, etc., all on "the big screen" of a PC. This saves the manufacturer the cost of a display, plus the design headache of where it should be placed, while also improving the user experience in the process.

Almost any IoT device with a USB port could benefit from emUSB-Web to improve and simplify its human interface. SEGGER uses the same technology in its marketing-leading J-Link debug probes. Headphones, speakers, a solar inverter, and many other products come to mind.

For a detailed look at how it works and information on code and RAM savings, see the blog post "A whole new way to interact with headless devices" by David Noverraz or the emUSB-Web page at segger.com.

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About SEGGER

SEGGER Microcontroller, now in its fourth decade in the embedded system industry, produces cutting-edge RTOS and Software Libraries, the marketing-leading J-Link and J-Trace debug and trace probes, a fast, robust, reliable, and easy-to-use family of Flasher In-System Programmers and second-to-none 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 into 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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