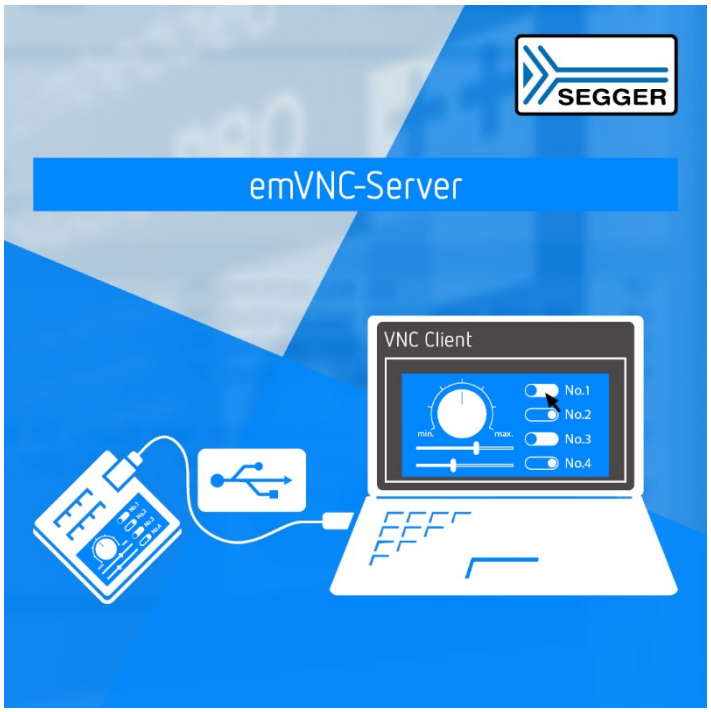
SEGGER introduces VNC over USB

Monheim am Rhein, Germany – December 5th, 2022

SEGGER's emVNC-Server (Virtual Network Computing) makes it possible to see the display of, and operate, an embedded system via USB.



For an embedded system that has a display, this display can be mirrored on the remote computer. For an embedded system without a display, the virtual display content can be shown.

Being able to connect via USB is very cost-effective and opens a vast array of options. And since USB is already widely used, emVNC-Server can be implemented very easily just by plugging into an existing interface. There is no extra hardware cost and very little memory is required - in flash and RAM - meaning emVNC-Server can even be used in small embedded systems with limited memory. emVNC-Server transports human input, such as mouse or touchscreen interaction, over USB to the embedded system, enabling control of the application, working in parallel with existing functionality.

"emVNC-Server is a VNC-over-anything software module," says Rolf Segger, founder of SEGGER. "I see the key use case as creating a remote display for a 'headless' system. We extend the use of the standard VNC protocol to USB. This has the potential to become very popular. Creating a virtual display for an embedded system essentially makes the physical display superfluous while delivering significant cost savings in the process."

emVNC-Server was designed specifically for embedded systems. It provides both the server module for the embedded system and the client. The PC-side application is multi-platform, for Linux, macOS, and Windows, and is available for download free of charge.

The emVNC-Server is GUI-independent. It works seamlessly with SEGGER's emUSB Device plus a graphics library, such as SEGGER's emWin. This makes it uniquely suitable for use on embedded devices as there are no limitations on the display hardware. emVNC-Server comes with examples for use with and without emWin.

For more information, visit: https://www.segger.com/user-interface/emvnc/

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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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