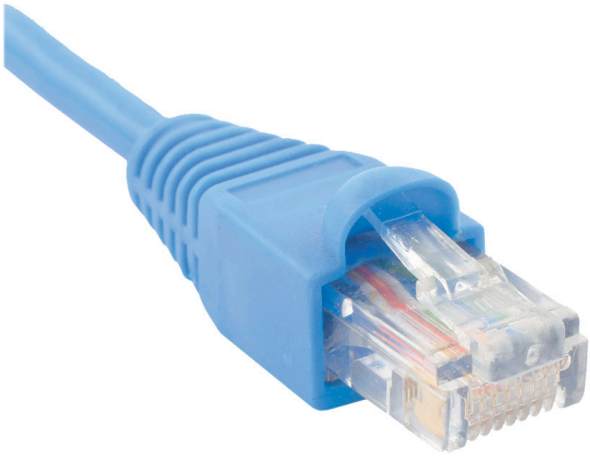
Ready for IoT: New version of SEGGER's IPv6 TCP/IP stack

Hilden, Germany – September 29th, 2015

SEGGER announces the availability of an enhanced version of its TCP/IP stack with support for the IPv6 protocol suite.



The new features expand embOS/IP's capabilities to meet the requirements of the Internet of Things and to cope with the exponential growth of connected devices.

Because embOS/IP is now a dual-mode stack, existing users can easily enhance their product with IPv6 whilst maintaining full compatibility with their existing IPv4 source code and protocols.

The enhanced embOS/IP Web Server makes better, more efficient use of memory - it's possible to run the web server with a lower overall memory footprint whilst enabling flexible content delivery when serving pages.

Using AJAX and Server Side Event Technologies, new samples demonstrate web pages with dynamic content, eliminating the need to reload the whole page when the content changes. This ensures a smoother user experience.

To add stability and security to communication, embOS/IP V3 prevents answers to Multicast, ICMP and TCP requests in case the sender is using a Multicast or broadcast address. This defends equipment against denial-of-service attacks launched by malicious hosts and network flooding by badly configured hosts.

With the new embOS/IP version featuring IPv6, SEGGER extends its IoT suite, including tools such as emSecure for generation and verification of digital signatures, and emSSL, the SSL/TLS solution for single-chip systems.

More information on the IPv6 add-on can be found here:
https://www.segger.com/embos-ip-ipv6.html

About embOS/IP

embOS/IP is a high performance IP stack specifically designed for embedded systems. The flexible stack supports all popular protocols such as ACD, ARP, AutoIP, DHCP, DNS, FTP, HTTP, ICMP, IPv4, Multicast, NetBIOS Name Service, PPP/PPPoE, SMTP, SNTP, TCP, UDP, UPnP, VLAN, and many more. embOS/IP is fully compliant to all related RFCs.

Full product specifications are available at:
www.segger.com/embOS-IP.html

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About SEGGER

SEGGER Microcontroller develops and distributes hardware and software development tools as well as software components for embedded systems. An "embedded system" is one in which a microprocessor and associated components are incorporated into a device helping to accomplish difficult and complex tasks in

products such as cell phones, medical instruments, instrument clusters, measurement instruments, satellite radios, digital cameras etc.

SEGGER was founded in 1997, is privately held, and is growing steadily. Based in Hilden with distributors in all continents and a local office in Massachusetts, SEGGER offers its full product range worldwide.

SEGGER software products include: embOS (RTOS), emWin (GUI), emFile (File System), emUSB (USB host and device stack) and embOS/IP (TCP/IP stack). With emSecure, a unique software to generate and verify digital signatures, and the TLS-solution emSSL, SEGGER is also offering software for the growing field of data and product security.

With the experience in programming efficiently on embedded systems, SEGGER created highly integrated, cost-effective programming and development tools, such as the Flasher (stand-alone flash programmer) and the industry leading J-Link/J-Trace emulator.

SEGGER cuts software development time for embedded applications by offering affordable, high quality, flexible and easy-to-use tools and software components allowing developers to focus on their applications. Find out more at www.segger.com.

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