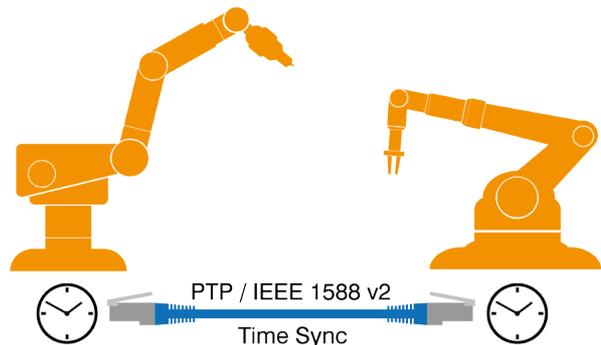


SEGGER enables precise clock synchronization with new PTP module (IEEE1588)

Hilden, Germany – August 16th, 2017 –

SEGGER introduces its new PTP software module as an add-on to its embOS/IP offering. The PTP module implements the globally recognized Precision Time Protocol (PTP) standard IEEE 1588v2 (also called IEEE 1588-2008) to synchronize an ordinary clock (a slave clock on the target) with an external reference clock via Ethernet. Synchronization of this kind is required in all applications where data sources or sensors relate to each other via time information. Examples can be found in the imaging or image recognition industry, in audio applications, plus other broadcasting and media applications, as well as increasingly in industrial automation.



The Precision Time Protocol can be used with or without PTP hardware support. The protocol itself is able to provide a sub-millisecond precise synchronization by using software timers. PTP hardware support of the network interface can improve the synchronization accuracy to around 100ns between the target (Ordinary Clock) and the reference clock (Grandmaster Clock).

SEGGER's implementation of PTP has been created from the ground up for resource constrained hardware of embedded systems. It is fully optimized for deterministic time measurement (without latency issues) and for minimal memory footprint requirements. PTP hardware support is not required, but can be fully utilized to reach the highest possible precision. Drivers for specific hardware support are available.

To access more information on PTP go to:

<https://www.segger.com/products/connectivity/embosip/add-ons/ptp-oc-client/>

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, IPv6, Multicast, NetBIOS Name Service, PPP/PPPoE, SMTP, SNMP, TCP, UDP, UPnP, VLAN, and many more. embOS/IP is fully compliant to all related RFCs.

Full product specifications are available at: <https://www.segger.com/embos-ip.html>

###

About SEGGER

SEGGER Microcontroller is a full-range supplier of software, hardware and development tools for embedded systems. The company offers support throughout the whole development process with affordable, high quality, flexible and easy-to-use tools and components. SEGGER offers solutions for secure communication as well as data and product security, meeting the needs of the rapidly evolving Internet of Things (IoT). Rolf Segger has founded the company in 1992. The company is growing steadily. Headquartered in Germany with a US office in the Boston area and distributors in all continents, SEGGER offers its full product range worldwide. For additional information, visit: <https://www.segger.com>



Contact information:

Dirk Akemann
Marketing Manager
Tel: +49-2103-2878-0
E-mail: info@segger.com

Issued on behalf of:

SEGGER Microcontroller GmbH & Co. KG
In den Weiden 11
40721 Hilden
Germany
www.segger.com

SEGGER Microcontroller Systems LLC
106 Front Street
Winchendon, MA 01475
United States of America
www.segger-us.com

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.