FINAL March 14, 2017 at 16:01 CET
Technology Announcement

NXP Accelerates Development for Industrial, Automotive and Professional AVB Networking Solutions with AVnu Audio Video Bridging Certification

Company has achieved AVnu Certification for its Audio Video Bridging (AVB) Stack Software that Supports and Extends the Capabilities of NXP's i.MX 6 and i.MX 8 Applications Processors

NUREMBERG, March 14, 2017 (Embedded World 2017) – NXP Semiconductors N.V. (NASDAQ:NXPI) has achieved AVnu certification for its Audio Video Bridging (AVB) stack software, helping customers dramatically accelerate time-to-market for industrial, automotive and professional AVB networking products. NXP's AVB stack provides synchronization and deterministic latency between devices for applications requiring audio, video, and other real-time content over Ethernet. Providing a complete set of AVB protocols that enable transport and synch services to multimedia applications, the company's certified software helps customers develop enhanced AVB applications for pro-audio equipment, in-vehicle infotainment, and Vehicle-to-Everything (V2X) technology.

AVnu certification fosters an interoperable networking ecosystem and simplifies network synchronization for engineers through AVB and time-synchronized networking (TSN) standards. The certification is aimed at solving major technical and performance issues, including precise timing and real-time synchronization; bandwidth reservation; and traffic shaping, while also minimizing deployment, maintenance and total cost of ownership.

"The increasing number, and complexity of in-vehicle systems is one of the many drivers for AVnu certification to ensure that all parts of an audio-video-bridge system will work together; however, very few companies are capable of executing a certified AVB solution that addresses this interoperability challenge," said Jean-Christophe Bodet senior director of software and services with NXP. "NXP's AVnu certification delivers on our vision to streamline product development and speed time-to-market for AVB applications, while enabling customers to reduce system cost by leveraging our AVB software and the next generation of network complexity in the future."

NXP's AVB stack includes features such as time-synchronized, low-latency streaming services and bandwidth reservation that makes it possible to carry audio and video signals on a standard Ethernet line. This solves the synchronization challenges between audio and video streaming when video must be displayed on multiple monitors and audio must be harmoniously synchronized across multiple speakers at the same time. The AVnu-certified software provides a complete set of AVB protocols for use on NXP's i.MX 6 and i.MX 8 applications processors, as well as several other NXP development

boards, to reduce the need for hardware changes and eliminating redevelopment costs. It also enables future distributed systems, including NXP's audio tuners and amplifiers.

In addition to redundant clock master and data traffic capabilities for extreme reliability, key features of NXP's AVB stack software include precise timing to support low-jitter media clocks, independent traffic classes that enable optimization of network resources, and bounded latency for assurance of timely packet deliveries. The company also provides API to support audio and video applications with the AVB stack.

See NXP Technologies in action at Embedded World 2017 in Nuremberg, Germany

Visit NXP during Embedded World in Hall 4A – 220 at the Exhibition Centre Nuremberg. Interact with innovative demonstrations for embedded solutions enabling the IoT from smart cars to smart industry.

For more information about NXP news at Embedded World, please visit www.nxp.com/EW17/mediacenter.

– End –

About NXP Semiconductors

NXP Semiconductors N.V. (NASDAQ: NXPI) enables secure connections and infrastructure for a smarter world, advancing solutions that make lives easier, better and safer. As the world leader in secure connectivity solutions for embedded applications, NXP is driving innovation in the secure connected vehicle, end-to-end security & privacy and smart connected solutions markets. Built on more than 60 years of combined experience and expertise, the company has 31,000 employees in more than 33 countries and posted revenue of $9.5 billion in 2016. Find out more at www.nxp.com.

For more information, please contact:

Americas
Tate Tran
Tel: +1 408-802-0602
Email:tate.tran@nxp.com

Europe
Martijn van der Linden
Tel: +31 6 10914896
Email: martijn.van.der.linden@nxp.com

Greater China / Asia
Esther Chang
Tel: +886 2 8170 9990
Email: esther.chang@nxp.com