Keysight Delivers First Integrated Test Package for Time Sensitive Networking Based on Avnu Alliance Test Plans

Enables vendors to ensure time-sensitive networking capable devices work together on Ethernet networks

SANTA ROSA, Calif., January 20, 2022 - Keysight Technologies, Inc. (NYSE: KEYS), a leading technology company that delivers advanced design and validation solutions to help accelerate innovation to connect and secure the world, announced the addition of an integrated test package to the IxNetwork Ethernet test solution, which enables manufacturers to ensure that chipsets and devices are in compliance with the Avnu Alliance base time sensitive networking (TSN) test plan for IEEE 802.1AS-2020, the standard for the transport of timing over local area networks.

As the adoption of TSN accelerates in the automotive, industrial and telecommunications ecosystems, vendors need to ensure proper implementation of IEEE 802.1 standards to confirm interoperability of devices. The Avnu tests are designed for test programs that assess a product's conformance to specifications defined in the suite of standards known collectively as TSN and the basis for Avnu certification.

"Keysight's compliance package, based on the latest Avnu TSN test plans, will help Avnu members and test houses advance the TSN ecosystem toward open interoperability," said Gary Stuebing, vice president and chairman of Avnu Alliance. "These test plans encompass the base TSN compliance requirements to support many different applications and usages of TSN. As promoter members of Avnu and active working group contributors, Keysight experts were instrumental to this thorough collaborative effort."

Keysight's IxNetwork solution helps chipset and device manufacturers ensure their devices adhere to new TSN standards for silicon to deliver high-performing gear that interoperates with other standards-conforming devices on an Ethernet network. The TSN capabilities in IxNetwork are used to test and benchmark scenarios in the TSN ecosystem, which span across relevant IEEE standards. Each IxNetwork test port emulates hundreds of Ethernet endpoints with realistic behavior. Test scenarios are executed with the IxNetwork graphical user interface (GUI) or application programming interface (API) scripting to characterize performance bottlenecks and resiliency.

"Validation of TSN standards are increasingly important to ensure devices on Ethernet networks work together at the component level," said Ram Periakaruppan, vice president and general manager, Keysight's Network Test and Security Solutions group. "Keysight, as a member of Avnu Alliance, has played a key role in standardizing test methodologies for TSN. The addition of this test package to IxNetwork enables chipset and device manufacturers, across a range of markets, to deliver high quality interoperable devices to their customers."

Keysight Technologies

Keysight delivers advanced design and validation solutions that help accelerate innovation to connect and secure the world. Keysight's dedication to speed and precision extends to software-driven insights and analytics that bring tomorrow's technology products to market faster across the development lifecycle, in design simulation, prototype validation, automated software testing, manufacturing analysis, and network performance optimization and visibility in enterprise, service provider and cloud environments. Our customers span the worldwide communications and industrial ecosystems, aerospace and defense, automotive, energy, semiconductor and general electronics markets. Keysight generated revenues of $4.9B in fiscal year 2021. For more information about Keysight Technologies (NYSE: KEYS), visit us at www.keysight.com

<div align="center"># # #</div>

Additional information about Keysight Technologies is available in the newsroom at https://www.keysight.com/go/news and on Facebook, LinkedIn, Twitter and YouTube.

KEYSIGHT TECHNOLOGIES CONTACTS:

Beth Hespe, Americas and Europe	Fusako Dohi, Asia
+1 609-994-7442	+81 42 660-2162
beth.hespe@keysight.com	fusako_dohi@keysight.com

<div align="right">NR22008 (TSNsilicon)</div>