Tektronix Delivers Automated 100G Electrical Test Solutions for DSA8300 Sampling Oscilloscopes
Fully Automated Solution for IEEE 100GBASE-CR4, 100GBASE-KR4 and CAUI-4 Standards Now Available on Sampling and Real-Time Oscilloscopes

BEAVERTON, Ore., Jan. 24, 2017 /PRNewswire/ -- Tektronix, Inc., a leading worldwide provider of measurement solutions, today introduced new equivalent time automated compliance test solutions for 4-lane 100G electrical interfaces defined in the IEEE 802.3bm and 802.3bj specifications. The new capabilities along with the full set of Tektronix solutions for 100G and 400G characterization and validation will be demonstrated February 1-2 at DesignCon 2017, Booth 741.

Available for Tektronix performance oscilloscopes including the DSA8300 >70 GHz bandwidth sequential equivalent-time sampling oscilloscope and the DPO70000SX real-time oscilloscope series with bandwidth up to 70 GHz, this TekExpress application supports 100G Ethernet (IEEE 802.3bj and IEEE 802.3bm Annex 83) electrical validation and characterization needs.

Specific supported technologies are 100GBASE-CR4, 100GBASE-KR4 and CAUI-4, which are the principal electrical specifications for 100G Ethernet. With these additions, Tektronix now offers the industry's most complete set of IEEE 802.3bm and 802.3bj solutions covering both optical (100GBASE-SR4) and electrical validation tools. The DSA8300 offers the unique ability to perform both optical and electrical validation using one system with industry leading optical and electrical bandwidth.

The IEEE 802.3 specification is lengthy and continually evolving, making it challenging for test engineers to come up to speed on such a massive specification. Tektronix works in collaboration with standards bodies and leverages its expertise to help translate industry standard test requirements into easy-to-use turnkey test solutions that offer clear and concise characterization reports. Reducing test and validation complexity is key to bringing interchangeable 100G optical and electrical modules to market in a timely manner.

"The latest 100G and emerging 400G Ethernet standards require both electrical and optical validation to ensure interoperability and also introduce many new measurement challenges," said Brian Reich general manager, Performance Oscilloscopes, Tektronix. "Tektronix is offering a full complement of industry leading optical and electrical standards verification solutions to serve this demanding market."

The Tektronix CAUI-4/KR4/CR4 test automation solution operates on either the DSA8300 sampling platform or the high-performance DPO70000SX 70, 59 and 50 GHz real-time oscilloscopes. These platforms deliver unprecedented low noise and measurement accuracy. Tektronix offers these software validation tools on both systems to give customers the flexibility of real-time or the precision of equivalent time instruments.

Pricing & Availability

The Tektronix 80S100G-TXE (DSA8300) and 100G-TXE (DPO70000SX) solutions for CAUI-4, KR4 and CR4 are available to order now. Pricing starts at $9,000 US MSRP. For more information please visit: http://www.tek.com/100g-optical-and-electrical-tx-rx

Wondering what else Tektronix is up to? Check out the Tektronix Bandwidth Banter blog and stay up to date on the latest news from Tektronix on Twitter and Facebook.

About Tektronix

Headquartered in Beaverton, Oregon, Tektronix delivers innovative, precise and easy-to-operate test, measurement and monitoring solutions that solve problems, unlock insights and drive discovery. Tektronix has been at the forefront of the digital age for over 70 years. Join us on the journey of innovation at TEK.COM.

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