

Tektronix Announces Industry's First Compliance Test, Debug Solution for QSFP+

New Real Time Oscilloscope Based Solution Includes All Necessary Software and Fixtures to Design, Test and Validate QSFP+ Products

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BEAVERTON, Ore., July 23, 2013 /PRNewswire/ — Tektronix, Inc., the world's leading manufacturer of oscilloscopes, today announced the industry's first compliance test and debug solution for Quad Small Form-factor Pluggable (QSFP+) compatible products. Based on Tektronix [DPO/DSA/MSO70000 oscilloscopes](#), the new QSFP+ solution includes all the necessary components to design, test and validate QSFP+ designs including HCB fixtures and test automation and debug software tools.

(Logo: <http://photos.prnewswire.com/prnh/20130103/SF36616LOGO-b>)

QSFP+ is a compact, hot-pluggable transceiver used for data communications applications. It interfaces a network device motherboard such as for a switch, router, media converter or similar device to a fiber optic cable. The latest specification, published by the SFF committee, enables data rates of 4X10Gb/s with support for Serial Attached SCSI, 40G Ethernet, 20G/40G Infiniband, and other communications standards. QSFP+ modules increase port-density by 3x-4x compared to SFP+ modules.

"Standards such as QSFP+ and SFP+ are constantly changing and evolving which means that engineers need comprehensive test solutions in order to efficiently and quickly validate their designs and bring them to market," said Brian Reich, general manager, Performance Oscilloscopes, Tektronix. "Our solution offers automated compliance testing that can save customers up to 80 percent in test time compared to manual testing while also providing a seamless transition to our world-class debugging environment."

Unlike other SFP+ test solutions that are based on sampling oscilloscopes, the new Tektronix SFP+ QSFP+ Tx solution is based on real-time oscilloscopes, the preferred test platform for engineers designing products for QSFP+ as well as for such standards as SFF-8431 and SFF-8635. The SFP+ QSFP+ Tx solution is also the only offering with integrated support for Transmitter Waveform Distortion Penalty for Copper (TWDPc) testing as called for by the SFF-8431 standard.

The SFP+ QSFP+ Tx solution boosts productivity with simple menu-driven measurement setup and one-click compliance testing coupled with automated pass/fail report generation. Design characterization is supported beyond the standard compliance requirements, with flexible control over test configurations such as analysis windows and other parameters. If designs fail compliance testing, users can take advantage of DPOJET (Jitter & Timing Analysis) setup files to reduce debug time.

Availability & Pricing

The Tektronix SFP+ QSFP+ Tx solution will be available in July with prices starting at \$6,500 U.S. MSRP.

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

For more than sixty-five years, engineers have turned to [Tektronix](#) for test, measurement and monitoring

solutions to solve design challenges, improve productivity and dramatically reduce time to market. Tektronix is a leading supplier of [test equipment](#) for engineers focused on electronic design, manufacturing, and advanced technology development. Headquartered in Beaverton, Oregon, Tektronix serves customers worldwide and offers award-winning [service](#) and [support](#). Stay on the leading edge at www.tektronix.com.

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