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Finisar Demonstrates New 400G, 200G and 100G Pluggable Optical Modules and Introduces Flexgrid® Single Low Profile Wavelength Selective Switch at OFC 2017

Optics leader drives industry-first products that increase data rates and extend reaches in data center applications and defines next generation ROADM architectures

SUNNYVALE, Calif., March 21, 2017 (GLOBE NEWSWIRE) -- Finisar (NASDAQ:FNSR) today announced multiple optics product and technology demonstrations to be held this week during the OFC exhibition. The company will feature new module types, including 400G CFP8 FR8 and LR8 transceivers, 200G QSFP56 FR4 and LR4 transceivers, and a 100G QSFP28 eSR4 extended reach transceiver. The company will also demonstrate its new Flexgrid® single low profile Wavelength Selective Switch (WSS) for next generation ROADM subsystems. Customers can see these demonstrations at OFC this week in Finisar's booth #2403 at the Los Angeles Convention Center.

400G CFP8 FR8 and LR8 Transceivers with PAM4 Technology

During OFC, the company will have multiple demonstrations of its MSA-compliant 400G CFP8 transceiver, which is enabled by 50G pulse amplitude modulation (PAM) technology. PAM4 is a modulation format that has been adopted by the IEEE for 50 Gb/s per lane Ethernet signaling and is expected to become the building block for future 50GE, 100GE, 200GE and 400GE interconnects. CFP8 module is a versatile new form factor, offering the highest data rate commercially available today. The Finisar CFP8 family includes an FR8 version supporting 2km reaches and an LR8 version for 10km reaches, both operating over single mode fiber. The module is ideal for router-to-router and router-to-transport client interfaces.

For the first time ever at OFC, optical cables will span several booths across the show floor, creating a network of interlocked systems and test equipment platforms. These booths will each display error-free live traffic at 400 Gb/s using working Finisar CFP8 modules as the transmission vehicle. In total, there will be eight working CFP8 samples from Finisar on the show floor. These modules will be on display in Finisar's booth in a tester provided by Ixia, the Ethernet Alliance booth #3709, the Viavi Solutions booth #2303 and the Xilinx booth #1809.

200G QSFP56 LR4 Transceiver for Hyperscale Data Centers

Finisar's new 200G QSFP56 optical module represents an evolution of the highly popular four lane QSFP+ form factor and is ideally suited for hyperscale data centers, and high performance computing (HPC) environments. The Finisar 200G QSFP56 family will initially include an FR4 version supporting 2km reaches and an LR4 version for 10km reaches, both operating over single mode fiber. It is the first 200G module in the industry that uses 4x50G PAM4 electrical and optical interfaces, and is intended to work in conjunction with the next generation of switching silicon, enabling 6.4 Tb/s in single rack unit (RU) configuration. This industry-first demonstration will feature an LR4 module designed for 10km reaches per the IEEE's 200GBASE-LR4 standard.

100G QSFP28 eSR4 Transceiver with Longest Extended Reach in the Industry

Finisar's newest 100G QSFP28 extended SR4 (eSR4) module offers the industry's longest reach over multimode fiber (MMF), making it attractive for enterprises and large data centers. While the IEEE 100GBASE-SR4 specification is only 70 meters over OM3 fiber and 100 meters over OM4 fiber, this new QSFP28 eSR4 module enables 300 meters over OM3 fiber and 400 meters over OM4 fiber, which matches reaches commonly deployed for 10G and 40G applications. This extended reach capability ensures that datacenters and enterprises with installed multimode fiber can use the existing fiber plant to seamlessly upgrade to 100G without worrying about incompatibilities that typically result from other modules capable of shorter reaches. The product utilizes parallel optics and could also interoperate in a fan out configuration with four of Finisar's 25G SFP28 eSR extended reach transceivers.

The live demonstration at OFC will show two Finisar 100G QSFP28 eSR4 transceivers connected over 300 meters of OM3 fiber. Traffic will be generated and measured by an Anritsu MT1100A Network Master Flex.

Flexgrid® Single Low Profile WSS for Next Generation ROADM Architectures

The single low profile WSS, designed for single-slot ROADM line cards, is the newest addition to the industry's broadest portfolio of Wavelength Selective Switches built on Finisar's Flexgrid® and LCoS technology. Fully ITU Flexible Grid

compliant, it offers dynamic deployment of bandwidth at 6.25 GHz spectral width and intra-channel attenuation control to enable optimal performance over an optical transmission link. It comes in a wide range of configurations from 1x2 to 1x9 and supports next generation express and innovative colorless directionless add/drop architectures.

The live demonstration will feature a 1x9 WSS configured to switch a mix of transceiver and ASE inputs to a common output port. The set-up will also feature Finisar's High Resolution Optical Channel Monitor (OCM) demonstrating optical spectrum analyzer (OSA) performance in a compact, cost effective optical component.

"Once again, Finisar is pleased to demonstrate industry break-through and market-leading products to our customers at the largest show focused on Optical Communications," said Todd Swanson, EVP of Global Sales & Marketing at Finisar. "As the industry leader in optics, we remain focused on delivering critical and innovative optics technologies needed to support our customers."

About Finisar

Finisar Corporation (NASDAQ:FNSR) is a global technology leader for fiber optic subsystems and components that enable high-speed voice, video and data communications for telecommunications, networking, storage, wireless, and cable TV applications. For more than 25 years, Finisar has provided critical optics technologies to system manufacturers to meet the increasing demands for network bandwidth and storage. Finisar is headquartered in Sunnyvale, California, USA with R&D, manufacturing sites, and sales offices worldwide. For additional information, visit www.finisar.com.

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