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Finisar Demonstrates Industry's First Suite of Extended Reach 100 Gb/s QSFP28 Optical Modules for Enterprise and Hyperscale Data Centers at ECOC 2016

New Portfolio Includes 100G QSFP28 eSR4, eCWDM4 and eLR4 Transceivers

SUNNYVALE, CA -- (Marketwired) -- 09/19/16 -- Finisar (NASDAQ: FNSR) today introduced a new family of 100 Gb/s optical modules extending communication reaches in modern enterprise and hyperscale data center environments. Based on the QSFP28 form factor, the comprehensive portfolio includes an eSR4 (extended Short Reach) transceiver designed for 200 meter reaches, an eCWDM4 (extended Coarse Wavelength Division Multiplexing) transceiver for 10km reaches, and an eLR4 (extended Long Reach) transceiver for 20km reaches, each operating using four 25 Gb/s channels. These products will be demonstrated at Finisar's booth #500 during the ECOC exhibition, September 19-21, in Dusseldorf, Germany.

It was estimated in a recent report by the Dell'Oro Group that the Cloud Market for Ethernet Switching is expected to reach \$8 billion globally by 2020. Hyperscale data centers are widely used by cloud service providers to house cloud-based resources and services. As the strong demand for internet bandwidth drives the need to build data center facilities that are both larger in footprint and encompass more buildings within a data center campus, Finisar is offering the market's first suite of 'extended reach' products tailored to meet this bandwidth requirement.

During the exhibition, Finisar will demonstrate its new eSR4 QSFP28 transceiver transmitting 100 Gb/s over 200 meters on OM3 multimode fiber (MMF), exceeding the 70 meter reach specified by the IEEE 802.3bm standard. It can also run over 300 meters on OM4 MMF. This transceiver will interoperate with four Finisar 25GE SFP28 eSR transceivers at its maximum specified reach, or with a standard QSFP28 SR4 transceiver at the IEEE specified 70 meter reach.

The company will also demonstrate its new eCWDM4 QSFP28 transceiver transmitting 100 Gb/s over a 10km reach on duplex single-mode fiber (SMF). It consumes less than 3.5W of power and will meet the requirements of the recently announced 4WDM MSA 10km interface. This device will also interoperate with modules compliant to the CWDM4 MSA standard, up to 2km.

Thirdly, the company will demonstrate its new eLR4 QSFP28 transceiver transmitting 100 Gb/s over a 20km reach on duplex SMF. It also consumes less than 3.5W power and will meet the requirements of the 4WDM MSA 20km interface. The device will interoperate with modules compliant to 100GBASE-LR4 specifications, up to 10km.

The 4WDM MSA, announced earlier today, will drive the development of extended reach low-cost 100G optical specifications. The industry consortium will also promote adoption of industry interoperability of 100G optical transceivers for 10km based on the CWDM4 wavelength grid, and 20-40km based on the LAN-WDM wavelength grid, over duplex SMF, important requirements in order to support hyperscale data center needs. Finisar is a founding member of the 4WDM MSA. For more information, visit www.4wdm-msa.org.

"Finisar has the broadest portfolio of 100Gb/s QSFP28 products on the market, and we are excited to expand it by introducing the industry's first suite of Extended Reach 100G QSFP28 modules," said Rafik Ward, vice-president of global marketing at Finisar. "These products were designed with longer reach capabilities in a low-power and low-cost package enabling our customers to derive even more value from our optics technology. We are also able to provide these products in high volumes by leveraging our solid vertically integrated manufacturing infrastructure."

Visit Finisar's booth during ECOC to see additional demonstrations including new features of the WaveShaper® and WaveAnalyzer™ optical instrumentation family and a 100G SWDM4 interoperability demonstration between two industry leaders, leveraging duplex MMF in the data center.

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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