



New 4WDM MSA Group Driving Development of 10, 20, and 40 km Low Cost 100G Optical Specifications Targeting Modern Data Centers

Industry consortium defining and promoting cost-effective, extended reach 100G optical specifications addressing inter-datacenter and access applications

Dusseldorf, Germany – September 19, 2016 – The 4WDM MSA (4-wavelength Wavelength Division Multiplexing Multi-Source Agreement) Group today announced its formation as an industry consortium dedicated to defining optical specifications and promoting adoption of interoperable 100G (4x25G) optical transceivers for 10 km based on the CWDM4 wavelength grid, and for 20 km and 40 km based on the LAN-WDM wavelength grid, over duplex single-mode fiber (SMF).

These extended reaches are important for modern datacenter interconnects and mobile backhaul applications. The 4WDM MSA participants are responding to previously unmet industry needs for longer reaches, lower costs, and lower power consumption, as compared to previously available standards, in small form factors.

"The CWDM4 MSA defined the first duplex low cost 100G specification for 2 km reaches based on a CWDM grid and using RS (528,514) FEC. Now the 4WDM MSA is extending the value proposition of the CWDM4 MSA and RS-FEC to define an even more cost-effective set of specifications for reaches from 10 to 40 km. Customers, particularly hyperscale cloud service providers and carriers, are looking for optimized solutions for up to 40 km," remarked Dale Murray, Principal Analyst, LightCounting Market Research.

Founding members of the 4WDM MSA include Broadcom Limited, Brocade, Ciena, ColorChip, Dell Inc., Finisar Corporation, Foxconn Interconnect Technology, Huawei Technology Co., Ltd., Intel Corporation, Juniper Networks, Kaiam Corp., Lumentum, MACOM Technology, Oclaro Inc., Skorprios Technologies Inc., Source Photonics, and Sumitomo Electric Industries Ltd.

Requests for additional information or interviews may be submitted at www.4wdm-msa.org.

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