



Open Eye Consortium Announces Public Release of Single-Mode Specification for Datacenter Applications

- *Specification defines 53Gbps per lane analog PAM-4 solutions for 50G SFP, 100G DSFP, 100G SFP-DD, 200G QSFP, and 400G QSFP-DD and OSFP single-mode modules*
- *Single-Mode specification available to general public today*
- *Multi-Mode draft specification available to participating members today, with general availability to the public targeted for Fall 2020*
- *MSA consortium extends membership to six new contributing members*

California, March 10th, 2020 – The Open Eye Consortium (Open Eye MSA) today announced the availability of its 53 Gbps [single-mode specification](#) to the general public, which defines the requirements for analog PAM-4 solutions for 50G SFP, 100G DSFP, 200G QSFP, and 400G QSFP-DD and OSFP single-mode modules.

The Open Eye MSA aims to accelerate the adoption of PAM-4 optical interconnects scaling to 50Gbps, 100Gbps, 200Gbps, and 400Gbps by expanding upon existing standards to enable optical module implementations using less complex, lower cost, lower power, and optimized analog clock and data recovery (CDR) based architectures in addition to existing digital signal processing (DSP) architectures.

A whitepaper is available to view and download [here](#) for interested parties to learn more about the Open Eye’s MSA mission and latest technical information.

Live and online Interoperability demonstrations of products based on the new specification will be showcased during OFC 2020 week. Further, the Open Eye MSA today announced the draft of its multi-mode specification available to its members for comments, with general availability targeted for release in Fall 2020.



Join Open Eye MSA Panel experts to learn more:

New High-bandwidth, Non-DSP Interface for Data Center and Campus Interconnects:

Wednesday, March 11th, 3:00PM – 4:30PM PST | Theater II

More info: <https://www.ofcconference.org/en-us/home/exhibit-hall/show-floor-programs/new-optical-module-implementations-make-high-bandw/>

This panel will discuss a new solution for low cost and high-speed interconnect for data centers and campus networks that will make new optical modules cost effective and easy to deploy. It utilizes PAM4 modulation and a unique application of CDR and analog PLL to provide non-DSP-based signal receive and demodulation.

The Open Eye MSA extends new memberships to Broadex Technologies, HiLight Semiconductor, Renesas, Sicoya, TE Connectivity and Trumpf.

MACOM and Semtech Corporation initiated the formation of the Open Eye MSA with 34 current members in Promoter and Contributing membership classes.

Promoters include: Applied Optoelectronics Inc., Cambridge Industries Group (CIG), Juniper Networks, Luxshare-ICT, MACOM, Mellanox Technologies, Molex, and Semtech Corporation.

Contributors include: Accelink, Anritsu, Broadex Technologies, Cloud Light Technology, ColorChip, Fujitsu Optical Components, HiLight Semiconductor, InnoLight, Inopticals, Keysight Technologies, Marvell, Maxim Integrated, MultiLane, O-Net, Optomind, Renesas, SAMTEC, Sicoya, Source Photonics, Tektronix, TRUMPF and 4 more members.

Companies that are interested in learning more about the Open Eye MSA can contact: admin@openeye-msa.org. For more information about the consortium, visit: www.openeye-msa.org.



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