

# Comprehensive test solutions around 400ZR

OFC 2023

## OIF Interoperability Demos Booth #5101

### 400ZR Optics

At its most basic, coherent optical technology utilizes low-cost standard optics transmitting 400G Ethernet over very long distances using DWDM and higher modulation schemes such as quadrature amplitude modulation (e.g., 8QAM and 16QAM).

These transceivers are very popular for DCI and metro applications, which will be demonstrated at the **OIF booth (#5101)**. The interop demo includes EXFO's FTBx-88460 featuring its unique Open Transceiver System (OTS) supporting OSFP, QSFP-DD and CFP2-DCO for client and DCO applications.



Learn more about EXFO's 400G solutions



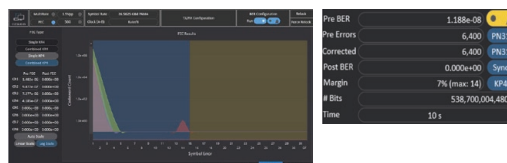
### CEI-112G-VSR-PAM4

Common Electrical IO (CEI) performance objective for 112 Gbit/s for very short-reach chip-to-module electrical channel is BER  $\leq 1e-6$  (pre-FEC). The main challenge is keeping low power consumption with low-cost materials.

CEI-112G-VSR PAM4 performance will be demonstrated at the OIF booth. The interop demo includes EXFO's BA-4000 800 Gbit/s bit analyzer, which can send and receive bits over multi 56Gbaud channels. The BA-4000 shows pre-/post-FEC BER results better than  $2e-8$  over a channel loss of 18 dB.



Discover EXFO's BA-4000 BER tester



Booth #5101



Booth #5927



## Common Management Interface Specification (CMIS)

CMIS addresses host-to-module communication management that allows compliant modules to provide a set of management operations.

The OIF CMIS demo will show interoperability between CMIS compliant modules. EXFO's 400G BERT FTBx-88460 is used to show module state machine and service awareness. EXFO's optical spectrum analyzer FTBx-5255 is used to track optical parameters such as OSNR and wavelength when the 400G ZR+ module is changing from 100G to 400G.



Learn more about EXFO's testing solutions

