



Lumentum Products Designed into OIF 400ZR Interop and CMIS Demos

400ZR Interoperability Demonstration

Lumentum 400ZR QSFP-DD transceivers are being demonstrated in switch/router ports and test equipment, transmitting over an amplified 75 GHz-spaced DWDM optical link adhere to the OIF 400ZR Implementation Agreement (IA).



Lumentum 400ZR and OpenZR+ transceivers are designed to provide connectivity in DCI and other applications at a data rate of 400 Gbps. The electrical, thermal, and communication interfaces adhere to the OIF 400ZR IA and QSFP-DD MSAs and are designed to work with the current generation of switches and routers supporting QSFP-DD transceivers enabling direct IP over DWDM for customers looking to expand capacity and reach.

CMIS Demonstration

Lumentum OpenZR+ and 400ZR QSFP-DD transceivers will be demonstrating the benefits of supporting the CMIS standard with multiple applications. CMIS has become the management interface for pluggable modules allowing a standard method for monitoring, initialize, and control. The common yet flexible interface provides both host and module vendors a path for integration and development. The Lumentum OpenZR+ module will display how following the CMIS standard allows a host to monitor the status and swapping between 400G and 100G application modes.

About Lumentum:

Lumentum (NASDAQ: LITE) is a market-leading designer and manufacturer of innovative optical and photonic products enabling optical networking and laser applications worldwide. Lumentum optical components and subsystems are part of virtually every type of telecom, enterprise, and data center network. Lumentum lasers enable advanced manufacturing techniques and diverse applications including next-generation 3D sensing capabilities. Lumentum is headquartered in San Jose, California with R&D, manufacturing, and sales offices worldwide. For more information, visit www.lumentum.com.





Lumentum Product Designed into OIF Co-Packaged Optics Demo

*Lumentum is displaying 500 mW high-power 1310 nm DFB laser technology as part of the OIF Co-Packaged Optics demonstration, within the **Very High Power (VHP) Laser Box** and incorporated into the active ELSFP module.*

This new high-power DFB laser from Lumentum is an ideal optical power source for silicon photonics co-packaged optics (CPO) applications supporting the CWDM wavelengths (1270 to 1330 nm). It provides up to 500 mW of optical power and high wall-plug efficiency to enable superior CPO ELS solutions supporting the growing bandwidth needs for networking and AI applications.

Features

- *Up to 500 mW optical power in cooled environment*
- *Up to 200mW optical power in uncooled environments*
- *Foundation in Lumentum's highly reliable 14xx Raman pump laser technology*
- *Scalable solution to grow with system demands*
- *Suitable for CWDM, LAN-WDM, CW-WDM MSA wavelengths*

System benefits

- *Separation of laser solution from CPO thermal solution to optimize system efficiency and reliability*
- *Substantial reduction in number of lasers required per switch and packaging costs*

Applications

- *External laser source for co-packaged optics applications*

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