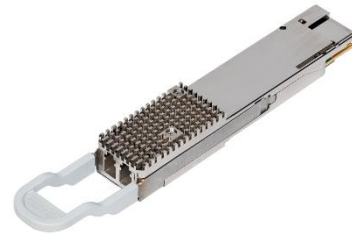




Ciena OIF Interoperability Demonstrations

At OFC 2022, Ciena is participating in demonstrations showcasing OIF work on 400ZR interoperability, Flex Ethernet (FlexE), and Common Management Interface Specification (CMIS).

Ciena's WaveLogic 5 Nano 400ZR QSFP-DD ultra-low power transceiver enables highest density 400G metro DCI deployments with support for interoperable transport and enhanced reach in bookended deployments.



Ciena RLS is a modern, open, and disaggregated photonic line system. It is highly programmable and supports a full range of photonic architectures including high-density ROADM and metro-optimized configurations, such as 400ZR-optimized transport at 75GHz spacing for up to 25.6Tb/s of capacity per fiber.



Ciena 5166 is a cell site router, offering dense 1/10/25GbE to 100/200/400GbE aggregation and 400Gb/s DWDM transport with 400ZR. The 5166 supports both hard network slicing (FlexEthernet) and soft network slicing (Segment Routing) to simplify and de-risk the unique 4G to 5G journeys of mobile and wholesale operators.



400ZR interoperability: Ciena's Reconfigurable Line System (RLS) 400ZR-optimized configuration is used to transport 400ZR wavelengths across 80km distance, while Ciena's 5166 router is hosting both Ciena WaveLogic 5 Nano (WL5n) as well as 3rd party 400ZR QSFP-DD transceivers. WL5n 400ZR transceivers are also housed in 3rd party router platforms and demonstrate interoperability with other 400ZR vendor transceivers.

FlexE: FlexE-capable test sets provide traffic mapping from standard 10GbE and 25GbE client traffic and connect at 100GbE to the Ciena 5166 cell site routers. Ciena 5166 routers provide 100G optical interconnect for transport and channelization of standard and non-standard Ethernet rates with a service granularity of 5Gb/s while test sets provide error and alarm monitoring.

CMIS: Ciena and other OIF members are demonstrating various aspects of CMIS exercised from host platforms including services, upgrades, and monitoring. Ciena's WaveLogic 5 Nano Evaluation Platform serves as one of the 400ZR CMIS host platforms.

