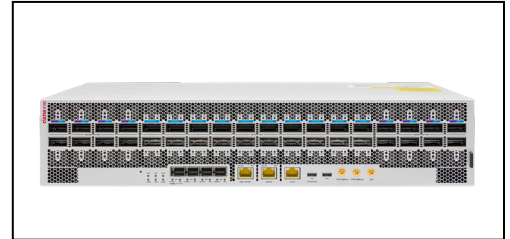
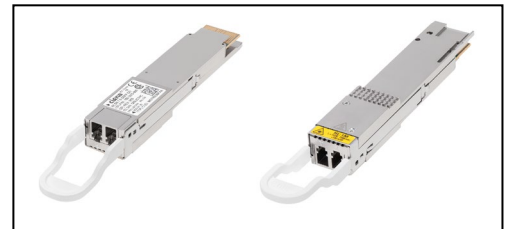


At **OFC 2025**, Ciena takes part in OIF's interoperability demonstration in the following areas: 400ZR, 400ZR+, 800ZR, 800G OpenROADM PCS, Navigator NCS, and Common Management Interface Specification (CMIS), supporting the demos with 8192 Coherent Router, WaveLogic 5 Nano coherent pluggables, and Navigator Network Control Suite.

Ciena's 8192 Coherent Router is a new 2 RU, 14.4 Tb/s variant of the 8000 family. It expands the portfolio breadth as Ciena's first router to support 800GbE interfaces. It uses the latest 112G SerDes silicon specification and is backward-compatible with 400GbE, 200GbE, and 100GbE, allowing for seamless scaling through multiple fit-for-purpose faceplate configurations. The 8192 has wide applicability and can be deployed across multiple use cases, including high-scale aggregation, metro core, and coherent routing in service provider, enterprise, and data center networks.

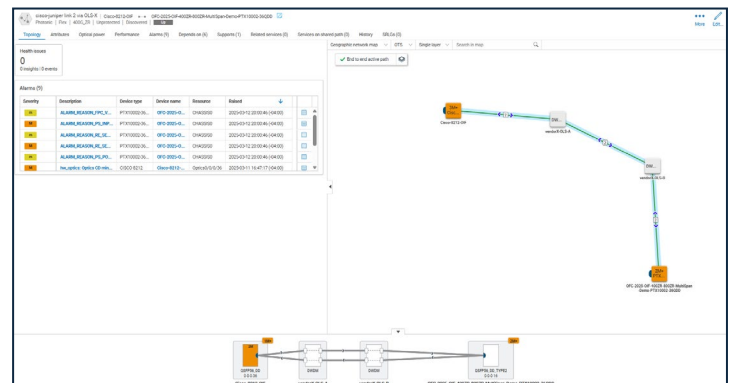


Ciena's WaveLogic 5 Nano 100G-400G Universal QSFP-DD is a coherent pluggable transceiver with embedded amplification, enabling ease of deployment across access and aggregation, single-span Data Center Interconnect, and metro/regional transport, over all types of photonic line systems. With support for both interoperable modes underpinned by global standards and MSAs (incl. 400ZR, 400ZR+ and OpenROADM), as well as leading 70Gbd performance-enhanced mode for extended reach-capacity in pluggable form, users have maximum flexibility with WL5n 100G-400G Universal QSFP-DD.



400ZR, 400ZR+, 800ZR, and 800G OpenROADM PCS interoperability. Ciena's 8192 coherent metro router is hosting 8 different 3rd party 400ZR, 400ZR+, 800ZR, and 800G OpenROADM PCS QSFP-DD transceivers in this demo. Housed in 3rd party router platforms, WL5n Universal QSFP-DD (+4dBm Tx output power) is demonstrating 400ZR+ and 400G OpenROADM line interoperability with 3rd party pluggables. Ciena's WL5n 400ZR pluggable is also deployed in 3rd party routers, demonstrating line interoperability with 3rd party plugs.

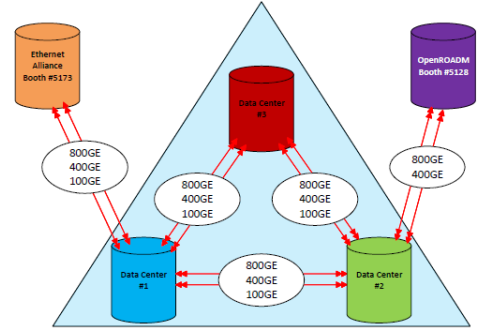
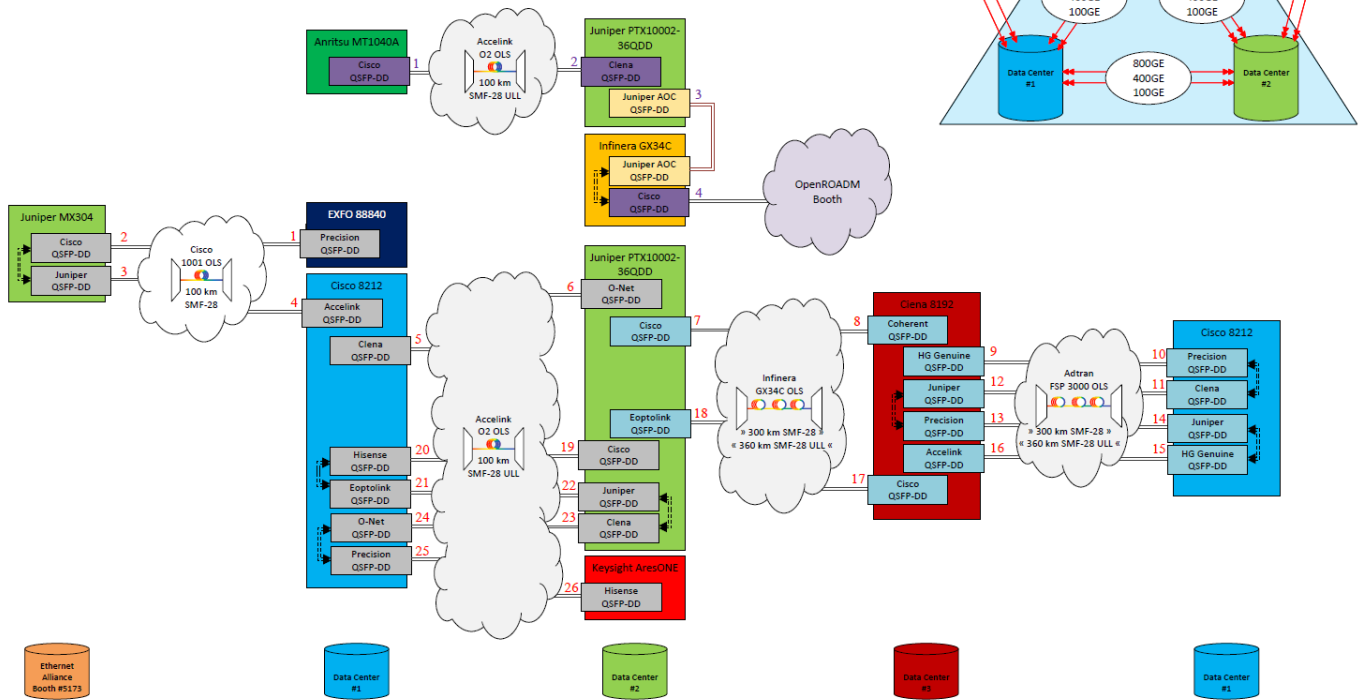
Ciena's **Navigator Network Control Suite** (Navigator NCS) provides one point of control for lifecycle operations across multi-layer and multi-vendor networks, helping to coordinate, simplify and accelerate workflows between optical and IP teams. Navigator NCS supports both OIF CMIS protocol for the router-pluggable nodal view and IETF drafts for the IP/Optical network controller interface for the end-to-end network view. This comprehensive visualization and real-time telemetry collection enables management of pluggables in parity with that of optical transponders – including provisioning, troubleshooting, and performance optimization.





OFC 2025 Interoperability Demonstration

400G



OFC 2025 Interoperability Demonstration

800G

