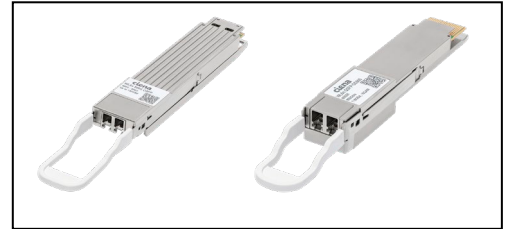
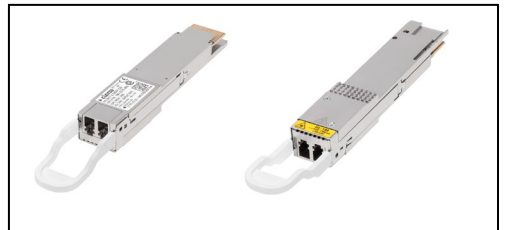


At **ECOC 2025**, Ciena takes part in OIF's interoperability demonstration in the following areas: 800ZR, 800G OpenROADM PCS, 400ZR, 400G OpenZR+, 100ZR, network management and Common Management Interface Specification (CMIS), supporting the demos with 8192 Coherent Router, WaveLogic 6 Nano, WaveLogic 5 Nano and 100ZR coherent pluggables and Navigator Network Control Suite.

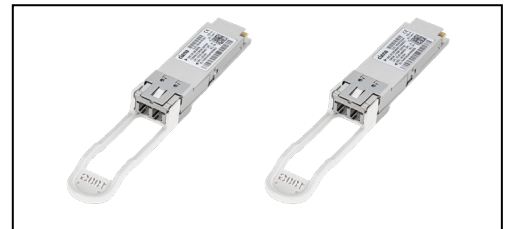
Ciena's WaveLogic 6 Nano 400G-800G Interop coherent pluggable transceivers harness Ciena's advanced technology, including 3nm DSP, to power a wide range of applications, from 800ZR metro DCI to 800G metro/regional and 400G ultra-long-haul deployments. Interoperable probabilistic constellation shaping (PCS) is used to achieve 800G reach at 1,000km distances and longer reach at 600G.



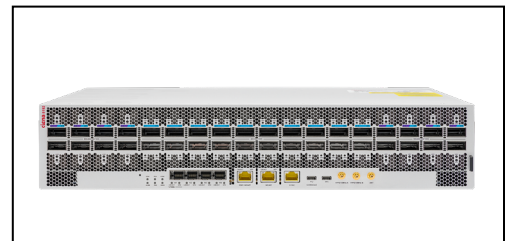
Ciena's WaveLogic 5 Nano 100G-400G Universal coherent pluggable transceivers enable ease of deployment across access, single-span DCI and metro/regional transport, over all types of photonic line systems. With support for both interoperable modes (incl. 400ZR, 400G OpenZR+ and OpenROADM), as well as leading 70Gbd performance-enhanced mode for extended reach-capacity in pluggable form, users have maximum flexibility with WL5n 100G-400G Universal QSFP-DD.



Ciena's 100ZR QSFP28 pluggable transceiver uses coherent technology to deliver 100 Gb/s data transmission across longer reach than IMDD-based pluggables and, with support for DWDM, can scale to 9.6 Tb/s capacity on a single fiber pair, all while using existing QSFP28 router ports. This efficiency means network operators can unlock up to 96x more capacity without replacing their current router infrastructure, transforming their networks with minimal cost and disruption.



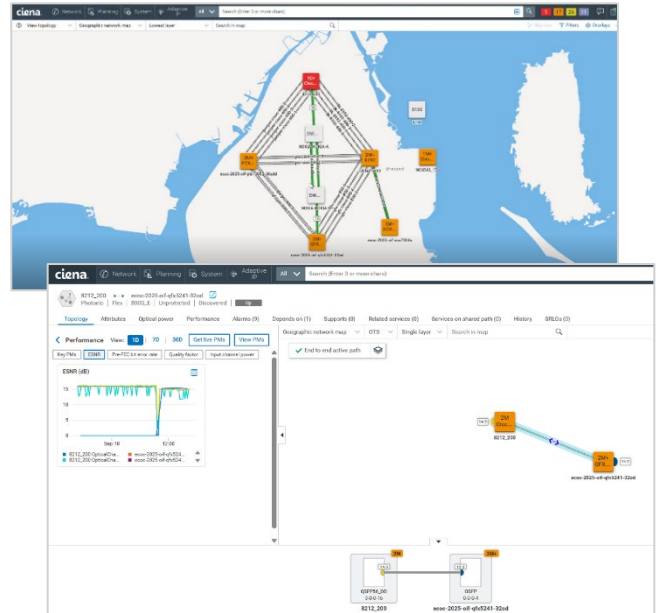
Ciena's 8192 Coherent Router is a new 2RU, 14.4 Tb/s variant of the 8000 family. It expands the portfolio breadth as Ciena's first router to support 800GbE interfaces. It uses the latest 112G SerDes silicon specification and is backward-compatible with 400GbE, 200GbE, and 100GbE, allowing for seamless 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.



800G OpenROADM PCS, 800ZR, 400ZR, 400G OpenZR+, 100ZR interoperability. Ciena's 8192 hosts six QSFP-DD 400G modules and four QSFP-DD 800G modules, plus four 100ZR QSFP28 modules—all active and forwarding traffic. The system seamlessly interoperates with 3rd party 100ZR, 400ZR, 400G OpenZR+, 800ZR, and 800G OpenROADM PCS optics, demonstrating its versatile, fit-for-purpose design. Housed in 3rd party

router platforms, Ciena 100ZR QSFP28, WL5n 400G QSFP-DD and WL6n 800G Interop OSFPs are demonstrating 100ZR, 400ZR, 400G OpenZR+, 800ZR and 800G OpenROADM PCS line interoperability with 3rd party pluggables.

Ciena's Navigator Network Control Suite (Navigator NCS) provides one point of control for lifecycle operations across multi-layer networks, helping to coordinate, simplify and accelerate workflows between optical and IP teams. Navigator NCS supports the OpenConfig model, and router vendor specific Yang data models where relevant, used by the routers on their NETCONF and GNMI interfaces to report the CMIS standardized data from the multi-vendor plugs they host, to provide a network view of IP/Ethernet over DWDM services and infrastructure. This comprehensive visualization and real-time telemetry collection enables management of multi-vendor 100G-800G pluggables in parity with that of optical transponders – including provisioning, troubleshooting, and performance optimization.



OIF ECOC 2025 Interoperability Demonstration 800G

