

## Featured Solutions in OIF 2024 Interoperability Demonstration:

- JCO Coherent Optical Transceivers (400G ZR/ZR+, 800G ZR)
- PTX10002-36QDD Packet Transport Router – 800G Platform
- ACX7100-48L Cloud Metro Router

Juniper Networks is a proud, longstanding, and active member of the Optical Internetworking Forum (OIF). We champion multi-vendor collaborations that lead to meaningful, standards-based market innovations. In 2023, Juniper contributed to the OIF multi-vendor interop, validating that 400G coherent technologies had crossed the chasm to become a mature solution supported by a vibrant ecosystem. At OFC'24, we look ahead to the industry's transition to 800G. This year, Juniper participates in one of the first public 800ZR system (router and transceiver) interop demo with its PTX10002-36QDD router and 800ZR (beta) transceivers. Juniper supports technologies that enable its global customers to realize the compelling benefits of IPoDWDM in a myriad of WAN use cases.

## JCO Coherent Optical Transceivers

Featured in OIF Interop:



Juniper Networks® Coherent Optics are essential to transformation strategies for operators looking to evolve to 100G-ZR, 400ZR, 400G OpenZR+ (including 0dBm), and 800ZR coherent optics. Juniper Coherent Optics provides power efficiency, low TCO, and network automation for enterprise, cloud metro, peering, and cloud use cases.

## PTX10002-36QDD Packet Transport Router – 800G Platform



The Juniper Networks PTX10002-36QDD is a next-generation cloud-optimized 2U fixed-configuration routing platform based on Juniper's Express 5 ASIC. The platform delivers unparalleled performance, supporting dense 100GbE, 400GbE, and 800GbE for robust scaling in a myriad of WAN and data center

network use cases. With an industry leading 28.8 Tbps capacity, the PTX10002-36QDD excels in space- and power-constrained environments.



# ACX7100-48L Cloud Metro Router

**ACX7100** multiservice routers deliver 4.8 Tbps of throughput in an energy-efficient, 1U footprint. They bring native 10G-to-400G port speed flexibility to service provider, large enterprise, and data center applications. These dense and compact routers support advanced timing and unrestricted use of high-power ZR/ZR+ transceivers. Powered by the Junos® OS Evolved cloud-optimized operating system and Juniper Paragon™ Automation for improved business outcomes, the ACX7100-32C and ACX7100-48L support advanced features, such as Segment Routing (SR), SRv6, Multiprotocol Label Switching (MPLS), EVPN-VXLAN, advanced programmability, leading network slicing, and telemetry.



- **ACX7100-48L:** 48 ports, each configurable as native 10G (SFP+), 25G (SFP28), or 50G (SFP56), and 6 ports of 400G (QSFP56-DD) with ZR/ZR+ support

## Juniper with OIF at OFC24:

To highlight our commitment and contributions to industry standards that facilitate multivendor interoperability, Juniper is contributing its latest 400G- and 800G-capable platforms and our JCO Coherent Optical Transceivers to the OIF interop demonstration. This demonstrates interoperability between an impressive array of networking solution vendors.

Juniper is also contributing our routing platforms to the Common Management Interface Specification (CMIS) demo to showcase the importance of OIF's leadership in common management interface for next generation pluggable modules while supporting common functionality.

Learn more at: [Juniper.net](https://www.juniper.net) • [QR Code to all Juniper OFC24 featured solutions...](#)

