

Featured Solutions in OIF 2023 Interoperability

Demonstration:

- **JCO400 ZR Coherent Optical Transceiver**
- **MX304 Universal Routing Platform**
- **ACX7100-32C Cloud Metro Router**
- **Common Management Interface Specification (CMIS)**

Juniper Networks is a proud, active, and longstanding member of the OIF (Optical Internetworking Forum), who we congratulate on 25-years of interop guidance critical to moving the industry forward. As a leader in automated, scalable, and secure network and datacenter solutions, we prioritize collaboration and interoperability in community-led, standards-based activities to drive meaningful and lasting innovation and we're honored to work alongside our fellow industry experts in this effort.

At OFC'23, in the OIF interop demo, Juniper is featuring optics and routing platforms that are foundational to Juniper's **Cloud Metro** architecture that is uniquely AI-enabled, cloud-delivered, and integrated with zero trust security and active assurance testing and monitoring.



JCO400-ZR Coherent Optical Transceiver

The **Juniper Networks® Coherent Optics – JCO400-ZR** is essential to transformation strategies for operators who are looking to evolve to modern IPoDWDM architecture based on 400ZR coherent optics and beyond. Juniper Coherent Optics provides industry leading power efficiency, operational simplicity, interoperability, and lower TCO, for DCI, metro, peering, core, and cloud networking.



MX304 Universal Routing Platform

The **MX304 Universal Routing Platform** delivers massive scale and efficiency for space- and power-constrained environments. It is a carrier-grade, multiservice platform with extensive automation capabilities enabling operators to meet constantly expanding bandwidth, subscriber, and service demands. The MX304 Universal Routing Platform delivers 4.8 Tbps of system capacity in a 2U footprint and supports 96x 10 or 25 GbE, 48x 40, 50, or 100 GbE, or 12x 400 GbE interfaces in a single chassis.

ACX7100-32C Cloud Metro Router

ACX7100 Cloud Metro Routers deliver

4.8 Tbps of throughput in an energy-efficient 1U footprint. They bring 10GbE-to-400GbE port speed flexibility to service provider, large enterprise, and datacenter



applications. These 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. The ACX7100-32C supports 32 ports of 40GbE/100GbE and 4 ports of 400GbE, making it ideal for applications that require a dense fan-out solution. This platform supports full line-rate Media Access Control Security (MACsec) encryption on all ports and provides efficient cooling with front-to-back airflow design.

Juniper and OIF at OFC23:

To highlight our commitment and contributions to industry standards that facilitate multivendor interoperability, Juniper is contributing its latest 400G-capable platform, the MX304 Universal Router, and our co-developed JCO400-ZR Coherent Optical Transceiver to the OIF 400G interop demonstration. This demonstrates interoperability between an impressive representation of module, router/switch, open line system, and test equipment vendors.

Juniper is also contributing our ACX7100-32C Cloud Metro Router and optics to the Common Management Interface Specification (CMIS) demonstration to highlight the importance of OIF's leadership in a common management interface for next generation pluggable modules providing a well-defined mechanism to initialize and manage optical and copper modules while supporting custom functionality.

Learn more at: [Juniper.net](https://www.juniper.net) • **QR Code to all Juniper OFC23 content.**

