

Russian ONU Optical Network Unit QSFP-DD



Overview

QSFP-DD is a new module and cage/connector system similar to current QSFP, but with an additional row of contacts providing for an eight lane electrical interface. It is being developed by the QSFP-DD MSA as a key part of the industry's effort to enable high-speed solutions. Cisco QSFP-DD and OSFP 800G ZR/ZR+ digital coherent optics modules enable 800G traffic over amplified Dense Wavelength-Division Multiplexing (DWDM) links up to 120 km for 800ZR and over 1000 km for 800G ZR+. As a. Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth PCIe[®] Gen 5. 0 over optical link, enabling scalable server disaggregation and efficient rack-to-rack interconnects ideal for AI/ML and rack-scale data center expansion. XR optics transceivers are designed to be equipped with a wide range of networking equipment, including Ethernet switches, routers, wireless baseband processing systems, cable/MSO aggregation platforms, packet switch.

Article Content

Jul 08, 2025

QSFPDD-ZR-400G Datasheet | FS

The FS QSFP-DD Digital Coherent Optics (DCO) transceiver supports 400G coherent transmission for data center interconnect and metro/edge applications.

Dec 10, 2025

QSFP-DD Linear Pluggable Optics (LPO)

Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth PCIe[®] Gen 5.0 over optical link, enabling

Nov 04, 2025

Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent

They expand Cisco routed optical networking applications to include 800G links and are compatible with Cisco and third-party 800G-capable routers,

Nov 19, 2025

QSFP-DD TRANSCEIVERS for 400G and 800G | Smartoptics

As a leading form factor for 400ZR and 800ZR, QSFP-DD delivers cost-efficient, interoperable connectivity with extended reach and simplified deployments for metro, regional and DCI networks.

Jun 04, 2026

3 Key Differences Between ONT and ONU: What You Must Know

As a product manager specializing in QSFP-DD 800G transceivers at a Taiwan-based optical transceiver manufacturer, let me walk you through the 3 essential differences between ONT and

Sep 25, 2025

Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent Optics Modules

Cisco QSFP-DD and OSFP 800G coherent optical modules are supported on Cisco switches and routers. For more details, refer to the Cisco Transceiver Modules Compatibility Matrix.

Aug 10, 2025

QSFP-DD Hardware

20 mechanical and thermal requirements of the pluggable QSFP Double Density (QSFP-DD/QSFP-DD800/QSFP- 21 DD1600) connector and cage system. QSFP-DD MSA family of modules and

Sep 07, 2025

Infinite Capacity Engine – Extensible (ICE-X) 100G XR QSFP-DD

ICE-X pluggable DCOs meet most common standards for other coherent pluggable optics like 400G ZR, including physical form factor (e.g., CFP2, QSFP-DD, OSFP) and network management.

Contact Us

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