

Canadian Independent Switch QSFP-DD



Overview

This guide provides a comprehensive overview of QSFP-DD compatible switches across major vendors, explains the fundamentals of backward compatibility at the port level, and outlines how to verify transceiver compatibility before procurement. We only offer IC Certified products. Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D. His switch ports contained twelve 800G QSFP-DD modules, which remained inactive. The maintenance window reached its midpoint. His rollback plan assumed the old modules would still work—they did—but that didn't solve his problem. His Nexus switches ran. QSFP-DD INTERCONNECT SYSTEMS - 56G, EXTREMEPORT™ 112G & EXTREMEPORT™ 224G Amphenol's QSFP-DD high-speed connector family features a scalable, high-performance interconnect platform with 76 contacts on a 0.8mm pitch and a dual-mating interface. The QSFP-DD family supports legacy QSFP channels on the. QSFP-DD (quad small form-factor pluggable double density) doubles the capacity of QSFP interconnects with an eight-lane electrical interface capable of 28 Gbps NRZ, 56 Gbps PAM4, and 112 Gbps PAM4 to achieve up to 800 Gbps per port.

Article Content

QSFP-DD Optical Transceivers for High-Speed Connections

QSFP-DD ports incorporate a riding heatsink that can be sized independently of the optical module, added on top of the module, or placed between modules. This flexibility enables switch and routing ...

QSFP-DD Series

QSFP-DD can enable up to 14.4 Tbps aggregate bandwidth in a single switch slot. QSFP-DD electrical interfaces will employ eight lanes that operate up to 25 Gbps NRZ modulation or 50 Gbps PAM4 ...

HPE Slingshot 200Gb 64-port QSFP-DD 1U Switch for Cray System

The high-radix 64 port HPE Slingshot switches enable low-diameter topologies that reduce the quantity of HPC network equipment, cabling, and lower power and cooling costs, while scaling up to 250,000 ...

Specification - QSFP-DD

July 11, 2019 - QSFP-DD Hardware Specification for QSFP DOUBLE DENSITY 8X PLUGGABLE TRANSCEIVER - Rev 5.0
May 8, 2019 - Common Management Interface Specification - Rev 4.0

QSFP-DD Connectors, Cages and Cable Assemblies

QSFP-DD provides high-performance computing capability. The QSFP interconnects density is doubled with electrical interface, providing superior thermal and signal integrity.

MikroTik CRS804 DDQ - Compact 400G QSFP-DD ...

High-performance 400G switch with four QSFP-DD ports, wire-speed switching, quad-core ARM CPU, and hot-swap power supplies. Perfect for AI clusters, ...

Complete QSFP-DD Compatibility Guide for Data Centers

Complete QSFP-DD compatibility guide with switch matrix, firmware requirements, and MSA compliance. Verify module compatibility before you buy.

QSFP-DD Connectors | High Speed I/O | Amphenol

The QSFP-DD family supports legacy QSFP channels on the front interface and four additional channels on the rear interface. This interconnect system optimizes density and power ...

MikroTik CRS804 DDQ - Compact 400G QSFP-DD Switch for AI

High-performance 400G switch with four QSFP-DD ports, wire-speed switching, quad-core ARM CPU, and hot-swap power supplies. Perfect for AI clusters, NVMe storage, aggregation, and modern data ...

QSFP-DD Product Family » Acacia

Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links

QSFP-DD Compatible Switches: Complete 2025 Vendor Guide

Find which switches support QSFP-DD modules. Our 2025 guide covers Cisco, Arista, Juniper and NVIDIA platforms with backward compatibility tips.

Contact Us

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