

Distributor Core Switch QSFP-DD



Overview

The QSFP-DD Series offers up to 400Gbps transmission speeds and features 1-by-cage. 4 Tbps aggregate bandwidth in a single switch slot. 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. QSFP-DD electrical interfaces will employ eight lanes that operate up to 25 Gbps NRZ modulation or 50 Gbps PAM4 modulation, providing. 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. Standard procurement guides list endless catalog numbers without valuable context, overwhelming engineers with technical specifications while completely obscuring actual market costs.



Article Content

Aug 13, 2025

What is Core Switch and How to Choose

What is a core switch? How do we choose the right core switch? Do you have such questions when you approach switches? This article will explore the core

Jan 13, 2026

NVIDIA/Mellanox Compatible 400GBASE-XDR4 QSFP

As server network interface card (NIC) speeds continue to increase, it can also be used to connect 400G QSFP-DD switches with 400G OSFP or QSFP112 NICs.

Sep 08, 2025

Cisco 400G QSFP-DD Cable and Transceiver Modules

It provides a QSFP-DD-to-QSFP-DD copper direct-attach solution. QDD-400-CuxM cables are suitable for very short links and offer a cost-effective

May 30, 2026

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.

Sep 02, 2025

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

Apr 03, 2026

SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD,

Confused about SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD, QSFP112 vs OSFP? We've got you covered. Read to discover the key

Oct 23, 2025

Juniper QFX5130-48C-AFI Ethernet Switch

Key Features Use Cases: Data Center Fabric Spine Campus Distribution/Core Port Density: QFX5130-32CD: 32 x 400GbE QSFP-DD/QSFP+/QSFP28 and 2 x

Dec 23, 2025

HPE Networking Comware Data Center Switch 48p QSFP28 100G 6p

This data sheet provides detailed information about HPE Networking Comware Data Center Switch 48p QSFP28 100G 6p QSFP-DD 400G 5960R

Feb 17, 2026

OEM 100G QSFP28 & 200G QSFP56, QSFP-DD, CFP2

Direct OEM/ODM manufacturer of 100G/200G transceivers for AI clusters & hyperscale cloud. 100% tested 100G QSFP28, 200G QSFP56, QSFP-DD & CFP2 solutions.

Sep 01, 2025

SONiC-Powered Turnkey Whitebox Switch Solution

24x10Gb SFP+, 2x100Gb QSFP28 L3 Leaf & Core Switch, Enterprise SONiC Ready 24-Port 10G Aggregation Switch 4 Port 100G Uplink Enterprise SONiC Ready 32

Dec 03, 2025

QSFP-DD Price Guide 2026: 400G/800G Costs & TCO Analysis

QSFP-DD price guide with 400G/800G module costs, OEM vs third-party comparison, volume discounts, and 3-year TCO analysis for data center buyers.

Mar 03, 2026

HPE Networking Comware Data Center Switch 64p

High-performance 25.6 Tbps, high-density access, aggregation or core switch designed for enterprise data centers, cloud service providers, and telcos.

Jan 14, 2026

Cisco 400G QSFP-DD Cable and Transceiver Modules

The Cisco 400GBASE Quad Small Form-Factor Pluggable Double Density (QSFP-DD) portfolio offers customers a wide variety of super high

Aug 03, 2025

SFP vs SFP+ vs QSFP vs QSFP28 vs QSFP-DD:

Eight-Lane (QSFP-DD): The core of 400G and 800G connectivity. It uses eight 50G or 100G lanes, allowing a single massive port to act as an entire

Dec 21, 2025

Global Optical Transceiver Market Strategic Audit 2026

QSFP-DD maintains relevance through backward compatibility in dense enterprise routing environments. QSFP28 / SFP28: Highly commoditized form factors standardizing sub-100G Ethernet

Jul 17, 2025

32 Port 400G QSFP-DD Core Switch SONiC NOS

Enterprise SONiC based 32 port 400G QSFP-DD aggregation core switch for aggregation spine architecture, which line rate L3 up to 12.8Tbps, Marvell Falcon,

May 05, 2026

Cisco Compatible SFP List 2026: Architect's Selection Guide

An 800G QSFP-DD module typically consumes between 16W and 20W. Unlike lower-speed modules, these high-power transceivers utilize advanced Riding Heatsinks integrated into the

Sep 01, 2025

QFX5100 Series 10/25/40/100GbE Switches

The QFX5100 Series are access & top-of-rack 10/25/40/100GbE switches, optimized for application delivery & virtualized data centers.

Oct 19, 2025

Arista DCS-7130LBR-48S6YD-R | 7130LBR 48-Port 10G Switch, 6x QSFP-DD,

Description The Arista DCS-7130LBR-48S6YD-R is a composable Layer 1+ application switch featuring 48x SFP+ ports, 6x QSFP-DD ports supporting up to 96x 10G lanes, and dual Xilinx VU9P-3 FPGAs

Feb 28, 2026

QSFP-DD CONNECTORS & CABLE ASSEMBLIES PRODUCT

Our QSFP-DD cages feature a proprietary heat sink design, making them the only solution to work in 15-18W applications at a low cost - providing superior thermal and signal integrity performance.

Sep 22, 2025

QSFP-DD-Preisliste 2026: Kosten

Preisübersicht für QSFP-DD mit Kosten für 400G/800G-Module, Vergleich von OEM- und Drittanbieterprodukten, Mengenrabatten und einer 3-Jahres-TCO-Analyse für Käufer von

Contact Us

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