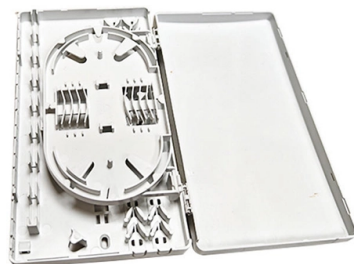


Quotation for QSFP-DD optical network switch



Summary of Content

QSFP-DD switches supporting 400G/800G transceivers typically range from \$20,000 to over \$100,000 depending on vendor, port density, and module type.

Pricing Overview

QSFP-DD transceivers vary widely in cost based on type and reach. For example, 400G SR8 short-reach modules for in-rack connections are priced between \$1,400 and \$1,800 from reputable third-party vendors, while coherent ZR+ modules for long-haul links can exceed \$130,000 from OEMs like Cisco . The final switch cost depends on the number of QSFP-DD ports, power class support, and whether the switch supports 400G or 800G speeds.

Switch Compatibility

A switch is considered QSFP-DD compatible if it supports:

- Physical QSFP-DD cages with deeper slots for double-density contacts
 - 50 Gbps PAM4 signaling per lane for 400G transmission
 - Downshifting to 25 Gbps NRZ for backward compatibility with QSFP28 and QSFP+ modules
 - Power delivery for Class 6–8 modules (10–25W per port) to avoid port shutdowns
- Modern QSFP-DD switches are designed for high-density AI clusters, HPC, and data center spine/leaf fabrics, supporting both 400G and 800G transceivers .

Vendor Options

Article Content

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

Download the overview datasheet for QSFP-DD transceivers, or browse all our transceivers, AOC and DAC cable assemblies. At

800G OSFP/QSFP-DD Optical Transceivers for InfiniBand & RoCE

High-density 800G OSFP and QSFP-DD transceivers support InfiniBand and RoCE, enabling 100m to 2km transmission via MMF

800G Optical Transceiver Overview: QSFP-DD and OSFP Packages

This article provides an overview of 800G optical transceivers, focusing on the QSFP-DD and OSFP packages.

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

Compare SFP, SFP+, QSFP+, QSFP28, and QSFP-DD optical transceivers. Learn differences, speeds, and best use

400G Modules Compared: QSFP-DD, OSFP & QSFP112

Unsure which 400G module fits your data center? Compare QSFP-DD, OSFP, and

Cisco QSFP-DD Pluggable Open Line System (QDD

The ability to extend the reach and capacity of a single fiber span in

200 Gbps Optical Transceiver Module | QSFP56 & QSFP-DD Generic

Contact Network-Switch for configuration advice, compatibility matrices, and volume pricing on QSFP56, QSFP

Connectivity in the Era of Big Data: Adapting with QSFP28, SFP-DD,

This ensures a seamless transition from 25G SFP28 Active Optical Cables (AOC) to 100G, as well as setting a

QSFP-DD vs OSFP: Which 400G/800G Form Factor Should You

QSFP-DD is ideal if you already run 100G/200G QSFP optics and want a smoother migration. OSFP is better if you

QSFP-DD-Preisliste 2026: Kosten

Preisübersicht für QSFP-DD mit Kosten für 400G/800G-Module, Vergleich von OEM- und Drittanbieterprodukten,

Cisco QSFP-DD Pluggable Open Line System (QDD OLS) Data Sheet

Learn more about the Cisco QSFP-DD Open Line System (QDD OLS), a pluggable optical amplifier module that

Understanding QSFP Switches: A Comprehensive Guide to Modern Network ...

Explore the latest QSFP switches for modern network solutions with this comprehensive guide. Learn about port

Cisco 400G QSFP-DD High-Power (Bright) Optical Module Data Sheet

Learn how Cisco 400G QSFP-DD High-Power (Bright) Optical module's small size and low power make it an optimal

QSFP-DD TRANSCEIVERS for 400G and 800G

QSFP-DD for 2x100G – Enables two independent 100G connections over single-mode fiber for flexible

What is QSFP-DD Transceiver: A Beginner Guide (2022)

If you're looking for a QSFP-DD transceiver, Optcore is a great place to start your search. We offer a wide selection of

QSFP-DD Optical Transceivers – MapYourTech

QSFP-DD (Quad Small Form-Factor Pluggable Double Density) represents a transformative advancement in optical

QSFP-DD Optical Module Overview: What is the differ?

This article will introduce the next generation optical module in detail, QSFP-DD, also

QSFP DD Guide: High-Speed QSFP DD Optical Modules

Learn how QSFP DD enables high-speed 400G networking with higher density,

QSFP-DD vs OSFP: Which 400G/800G Form Factor Should You

How many ports fit on a switch faceplate. How much heat each port can handle. How well the module works with

The Ultimate Guide to QSFP Cable: Everything You Need to Know

Introduction Quad Small Form-factor Pluggable (QSFP) cables are essential in modern data centers and network

How to Achieve Interconnection Between OSFP and QSFP-DD Ports?

This article outlines key OSFP and QSFP-DD differences and offers four practical interconnection solutions to support

400GbE QSFP-DD Transceiver Modules | Optical Transceivers

FS 400G QSFP-DD module solutions featuring high-performance, high-bandwidth, and cost-effectiveness, are ideal for 400GbE and

40G QSFP+ TRANSCEIVERS | Smartoptics

DWDM QSFP+ for extended reach – Supports DWDM for long-distance data center interconnects and

SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD, QSFP112 vs

Initial Published: February 19, 2022 The optical transceiver plays a crucial role in modern fiber networking. Various

Qsfp Switch

QSFP (Quad Small Form-factor Pluggable) switches support high-speed network connectivity and are ideal for data centers and high

QSFP-DD Optical Transceivers Unlocking Faster

QSFP-DD Optical Transceivers deliver up to 800Gbps speeds, offering high bandwidth,

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

800G Module Packaging: QSFP-DD or OSFP, Which Fits Your Needs?

Discover the differences between 800G QSFP-DD and OSFP modules. Learn which packaging offers the best

Ultimate QSFP Transceiver Guide: Types (40G/100G) & Compatibility

Confused by QSFP types? Decode the differences between QSFP+, QSFP28 (100G), and QSFP-DD. Learn how to select the right

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