

Quotation for Passive Optical Network QSFP-DD



AI Overview

QSFP-DD transceivers support 400G to 800G high-speed optical networking, with prices ranging from \$1,400 for short-range modules to over \$130,000 for long-haul coherent modules. Overview QSFP-DD (Quad Small Form-Factor Pluggable Double Density) transceivers are designed for high-speed Ethernet and coherent optical networks, doubling the electrical interfaces of standard QSFP modules to achieve 400G and 800G speeds. They are widely used in data centers, metro, and regional networks, supporting both short-range multimode and long-haul coherent DWDM deployments. Key features include: Short-range SR8 modules for in-rack or cross-row connectivity, typically under \$2,000 from third-party vendors. Coherent ZR/ZR+ modules for long-haul DCI or metro/regional networks, capable of 120 km to over 1,000 km, with prices exceeding \$130,000 for OEM modules. AES-256 encryption for Layer 1 security and OTN compliance for multi-vendor interoperability. Flexible deployment options, including 2x100G connections over single-mode fiber and support for 50GHz-spaced DWDM networks. Pricing Considerations QSFP-DD pricing varies significantly based on module type, reach, and vendor: Entry-level 400G SR8 modules: \$1,400-\$1,800 for short-range data center use. DR4/FR4 modules: Mid-range options bridging data center rows or campus links. Long-haul coherent ZR/ZR+ modules: \$50,000-\$130,000 depending on OEM and distance. Volume discounts: Many vendors offer tiered pricing for bulk purchases, which can significantly reduce total cost. Vendor Options Smartoptics: Offers cost-efficient 400G/800G QSFP-DD modules for metro, regional, and DCI networks, with both short-range and coherent options. Cisco: Provides QSFP-DD and OSFP 800G ZR/ZR+ coherent optics modules, optimized for high-capacity single-span DCI and metro/regional applications. Third-p...

Article Content

MCP1660-W00AE30 NVIDIA Compatible 0.5M 400G QSFP-DD Passive

Compatible Fibre Optic Transceivers for Multi-Vendor Networks and Data Centres

Fiber Optic Passive DWDM, Plug-In Single LGX Ring OADM, 2

Search the Integra Optics database of available fiber optic network products, based on your search criteria.

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,

Huawei 400G QSFP Price

The Best Huawei Products Price List Checking Tool ICT-Router, Switch, Optical Transmission & Access Network

QSFP-DD Optical Transceivers – MapYourTech

These practical examples and guidelines provide actionable insights for successful QSFP-DD deployment across diverse network environments, from

AddOn Networks ADD-Q4DE2Q56CI-P3M InfiniBand/fibre optic cable

AddOn Networks ADD-Q4DE2Q56CI-P3M InfiniBand/fibre optic cable 118.1" (3 m) QSFP-DD 2x QSFP56 DAC Black

Your Fiber Optic Solution | Proline

Fiber networks, future-proofed Get best-in-class optics from legacy GBICs to cutting edge 1.6T passive and active solutions. Decades of experience and investments

Active Optics Cable Assemblies | TE Connectivity

Greater cable flexibility and longer reach Our active optical cable assembly portfolio provides greater cable flexibility and longer reach, as compared to both traditional passive copper solutions and

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

800G OSFP/QSFP-DD Optical Transceivers for

This article analyzes 800G OSFP and QSFP-DD form factor's technical differences, application scenarios, and deployment considerations to help data centers and

Cisco NCS1K4-2-QDD-C-K9 | 2x QSFP-DD C-band DWDM line card,

High-capacity C-band DWDM line card with two QSFP-DD line interfaces for coherent transport on the NCS 1004 platform. Delivers scalable 100/200/400G wavelengths with flexible grid

Where Are DAC Cables Used? Applications in Data Centers & AI

Discover where DAC cables are used in data centers, AI clusters, enterprise and telecom networks. Learn when to choose DAC or fiber, compare applications, explore common models, and find the

QSFP-DD Optical Transceivers Unlocking Faster

QSFP-DD Optical Transceivers deliver up to 800Gbps speeds, offering high bandwidth, energy efficiency, and compatibility for modern networks

QSFP-DD TRANSCEIVERS for 400G and 800G

Many network operators compare QSFP-DD vs. OSFP when selecting transceivers for 400G and 800G deployments. While both form factors support high-speed

The Ultimate Guide to QSFP Cables: What You.

40G-QSFP-SR4-ST Optical Transceiver Module How to Choose the Right QSFP Cable? Choosing a QSFP cable isn't just about matching the speed.

400G QSFP-DD Price

Enterprise Network Refresh: Maximize Budget, Ensure Timely Delivery View stock Quote Cisco Released: April 8, 2025 ... « 1 »

Small Form-factor Pluggable

Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module

QSFP-DD Transceiver Guide 2026: Complete

Master QSFP-DD transceiver deployment for 400G/800G networks. Compare module types (SR8/DR4/FR4/LR4), cable options, pricing, and

400G DAC/AOC/AEC | FS Cables

FS 400G DAC/AOC/AEC cables are compliant with MSA and IEEE standards for guaranteed compatibility and optimal performance and suitable for servers,

HTF DWDM equipment,OTN Solution,QSFP28 OSFP

OCS OCS Optical AI and Data Center Networking 200G QSFP-DD/QSFP56 400G QSFP-DD/OSFP/QSFP112 800G QSFP-DD/OSFP 1.6T OSFP-XD

Cisco QSFP-DD Pluggable Open Line System (QDD

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

LinkX Cables and Transceivers | NVIDIA

The product line consists of DAC cables reaching up to 2.5m, active optical cables from 3m to 100m, multimode optics up to 100m, and single-mode optics up to

Cisco QSFP-DD800 Transceiver Modules Data Sheet

The Cisco QSFP-DD800 modules introduce 8x100G and 2x400GGBASE Quad Small Form-Factor Pluggable Double-Density (QSFP-DD)

400G QSFP-DD to 4 x 100G QSFP56 Passive Copper Cable

QSFP-DD Direct Attach Copper Cable QuickSpecs Technical Specifications Quad Small Form-factor Pluggable 400G (QSFP-DD) to 4 x 100G QSFP56 copper cable. Passive Copper Cable assembly.

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.

400G QSFP-DD TRANSCEIVER Price

Check 400G QSFP-DD TRANSCEIVER price from the latest Cisco price list 2022.

Contact Us

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