

QSFP optical module QSFP-DD tariff cost



AI Overview

QSFP-DD module prices range from approximately \$1,400 for short-reach third-party modules to over \$130,000 for long-haul OEM coherent modules. Price Range Overview QSFP-DD modules vary widely in cost depending on type, reach, and vendor. Short-reach SR8 modules, commonly used for in-rack or cross-row connections, typically cost \$1,400-\$1,800 from reputable third-party vendors, making them the most economical entry point for 400G adoption. In contrast, coherent ZR+ modules for long-haul Data Center Interconnects (DCI) can exceed \$130,000 from OEMs, reflecting the advanced technology and extended transmission distances. OEM vs Third-Party Modules OEM modules (e.g., Cisco, Juniper) are generally more expensive due to brand, certification, and support, especially for high-performance coherent optics. Third-party modules (e.g., QSFPTEK) can reduce costs by 50-90% compared to OEMs, while maintaining compatibility and quality through rigorous testing and certification. Volume Discounts and TCO Large-scale deployments can benefit from volume discount tiers, which are often not publicly disclosed but can significantly reduce per-unit costs. A Total Cost of Ownership (TCO) approach considers not only the module price but also operational efficiency, power consumption, and lifecycle management, which is critical for budgeting in data centers. 800G QSFP-DD Modules For 800G QSFP-DD coherent optics, prices are higher due to advanced CMOS and coherent technology, supporting up to 120 km for 800ZR and beyond 1000 km for 800G ZR+. These modules are typically used in metro or regional interconnects and are mechanically compliant with QSFP-DD MSA standards. Key Takeaways Short-reach 400G SR8 modules: \$1,400-\$1,800 (third-party) Long-haul 400G ZR+ modules: \$130,000+ (OEM) 800G QSFP-DD coherent modules: higher, depending on reach and technology Third-party alternatives can drastically reduce costs while maintaining performance Volume purchases and TCO...

Article Content

Bulk Ethernet Cables: Cat5e, Cat6, Cat7 Bulk Cables

Buy Bulk Ethernet Cables - Cat5e, Cat6/6a, Cat7 cable 1000ft (UTP/SFTP, 305 metres, blue/yellow), multiple jacket colour of bulk cable available.

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

FN-TRAN-QSFPDD-DR4+ Fortinet Compatible 400GBASE-XDR4 QSFP-DD

Please send me the FN-TRAN-QSFPDD-DR4+ Fortinet Compatible 400GBASE-XDR4 QSFP-DD PAM4 1310nm 2km DOM MPO-12/APC SMF Optical Transceiver Module datatsheet.

Comprehensive Guide to 400G/800G QSFP-DD Optical

In general, 400G QSFP-DD modules are mainly deployed for short- to medium-reach interconnections, whereas 800G QSFP-DD modules are tailored

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

Global 400G QSFP DD Optical Module Market Outlook, In-Depth

This definitive report equips business leaders, decision-makers and stakeholders with a 360° view of the global 400G QSFP DD Optical Module market, seamlessly integrating production

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

This guide delivers clear, accurate pricing data. It breaks down the current costs for 400G and 800G modules, provides an objective comparison between OEM and third-party products,

QSFP-DD TRANSCEIVERS for 400G and 800G

Smartoptics QSFP-DD transceivers provide cost-efficient 400G and 800G optical networking. QSFP-DD (Quad Small Form-Factor Pluggable Double Density)

QSFPTEK Transceiver Best Deals and Price List

QSFPTEK is a one-stop optical transceiver manufacturer and seller. We provide 1G to 400G optics with a vast selection of compatibility and models. Our compatible modules are affordable

QSFP-DD Optical Transceivers for High-Speed Connections

When combined with higher transmission rates per electrical interface (28 Gbps to 56 Gbps to 112 Gbps), QSFP-DD optical transceivers can increase 100G data rates to 400G and 800G.

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

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

The Evolution of 400G, 800G, and 1.6T Optical Modules

With the rapid advancement of AI, HPC, and cloud computing, the demand for high-speed optical modules such as 400G, 800G, and even 1.6T is

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

800G QSFP-DD Optical Module Market Revenue Forecast Driven

The 800G QSFP-DD Optical Module Market was valued at USD 1.43 Billion in 2025 and is projected to reach USD 8.52 Billion by 2035, growing at a CAGR of 19.5% from 2027 to 2035. Market

QSFP-DD Optical Transceivers for High-Speed Connections

Cisco's comprehensive portfolio of QSFP-DD modules support 400G and 800G data rates across copper, multimode fiber, and single-mode fiber, and are optimized for a broad range of

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

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

These digital coherent optics modules enable 800G traffic over amplified DWDM links up to 120 km for 800ZR and over 1000 km for 800G ZR+.

QSFP-DD Connector System

QSFP-DD Interconnect System's 8-lane electrical interface transmits 28G NRZ, 56G PAM-4 and 112G PAM-4, up to 200, 400 or 800 Gbps aggregate. Backwards

Cisco QSFP-DD800 Transceiver Modules Data Sheet

For more information and references on QSFP-DD cable guides, please click on the following link: [Cisco Transceiver Modules - Brochures - Cisco](#)

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 data centres.

400G Optical Modules Explained: SR4 Vs. DR4 Vs.

Key differences between SR4, DR4, FR4, and LR4 400G optical modules. Expert advice from Asterfusion engineers to optimize your data center

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.

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

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

Confused by QSFP types? Decode the differences between QSFP+, QSFP28 (100G), and QSFP-DD. Learn how to select the right speed, connector (SR4 vs

Contact Us

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