Offshore Price Optical Transceiver Module QSFP



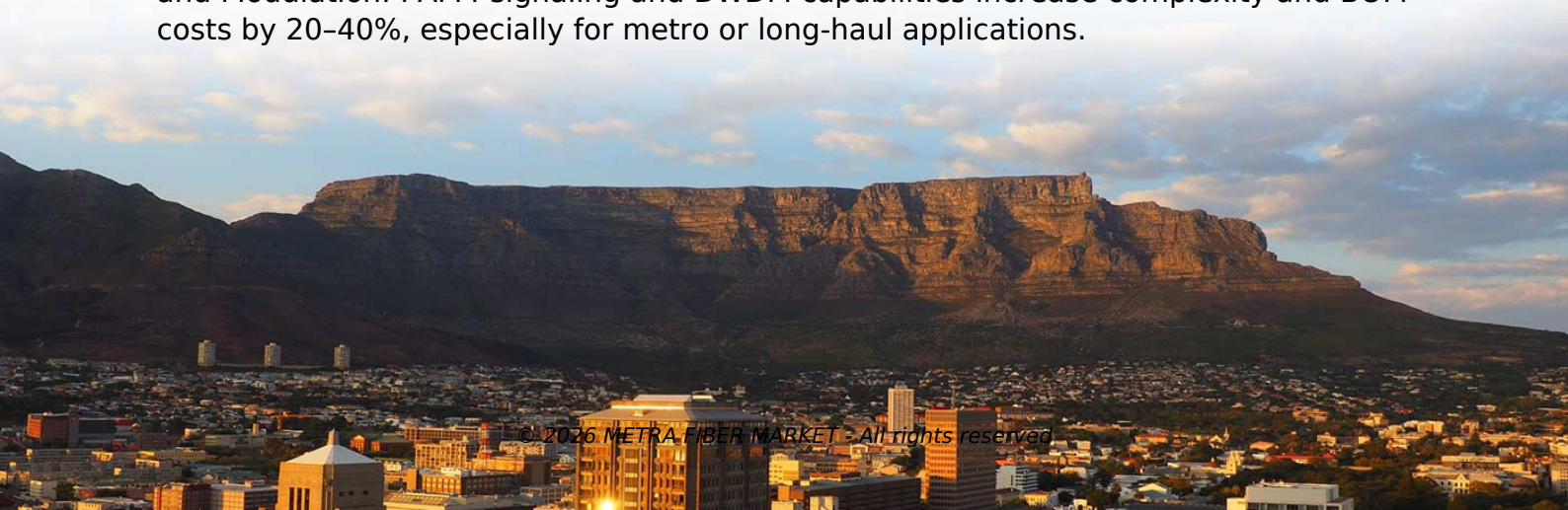
Overview

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.

Key Takeaways

400G QSFP-DD modules typically range from $1,400 to $10,000 depending on type and reach, while 800G OSFP and QSFP-DD modules can cost significantly more, especially for ZR/ZR+ coherent optics. 400G QSFP-DD and OSFP ModulesPrice Range: Short-reach SR8 modules for in-rack connections are priced around $1,400–$1,800 from reputable third-party vendors, making them the most cost-effective entry point for 400G adoption. DR4 and FR4 modules, used for cross-row or campus links, are moderately priced, with third-party competition driving costs down over the past 18 months.

Long-reach LR4, ZR, and ZR+ modules can exceed $10,000 for OEM units, particularly for data center interconnects (DCI), while third-party alternatives can offer substantial savings. Factors Affecting Price: Form Factor: QSFP-DD is widely supported and cost-effective due to broad OEM adoption, while OSFP modules have a larger footprint and better thermal dissipation, adding 5–15% to costs. Optical Reach and Modulation: PAM4 signaling and DWDM capabilities increase complexity and BOM costs by 20–40%, especially for metro or long-haul applications.



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Brand and Certification: OEM modules carry a 20–30% premium over generic third-party units, with additional costs for warranties and interoperability certification. 800G QSFP-DD and OSFP ModulesPrice Range: 800G modules, including ZR and ZR+ coherent optics, are still maturing in the market. Buyers can expect to pay 60–70% of OEM list prices for proven third-party 800G transceivers.

Cisco 800G QSFP-DD and OSFP ZR/ZR+ modules support up to 120 km for 800ZR and over 1000 km for 800G ZR+, making them suitable for DCI and regional interconnects. Considerations: Early 800G modules may have variability in Digital Optical Monitoring (DOM) integration and firmware compatibility, prompting some enterprises to prefer OEM units for critical workloads. Mechanical compliance with QSFP-DD and OSFP Multi-Source Agreements (MSA) ensures interoperability across platforms.

Offshore Procurement Tips

Volume Discounts: Many vendors offer tiered pricing, which can significantly reduce per-unit costs for bulk orders.

Third-

Party Alternatives: For both 400G and 800G modules, third-party vendors can provide substantial savings without compromising performance, especially for non-critical deployments. Total Cost of Ownership (TCO): Consider not only the module price but also licensing, certification, and operational costs when budgeting for large-scale deployments. In summary, offshore prices for QSFP-DD and OSFP optical modules vary widely based on reach, form factor, and vendor type.

Short-reach 400G modules are the most affordable, while long-reach and 800G coherent optics represent the highest cost items, with third-party options offering meaningful savings for strategic procurement.

Article Content

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.

40G QSFP+ Transceiver Modules | Optical Transceivers

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for high-density switching, routing and data center applications.

QSFP28 Price Guide 2026: 100G Transceiver Costs

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Real QSFP28 pricing for 2026: SR4, LR4, CWDM4, and single-lambda costs. Compare OEM vs third-party, volume discounts, and hidden TCO

Optical Transceiver Modules, HUAWEI Cisco SFP SFP+ QSFP

Deploy high-density and low-power SFP28 connectivity for data center and high-performance computing networks applications. Meet the high-performance connectivity requirements of campus, data center,

100G QSFP28 Transceiver Modules | Optical

The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres, enterprise core & distribution layers, computing networks and

QSFP+ Transceiver Modules Manufacturer & Supplier | Fiberonsale

The 40G QSFP+ (Quad Small Form-factor the Pluggable Plus) transceivers are hot-swappable input/output devices that plug into 40-Gigabit Ethernet module ports. QSFP+ has four-channel SFP+

What factors influence 400G optical transceiver modules price？

Discover the key factors that drive 400G optical transceiver pricing—from form-factor and component costs to market dynamics and sustainability.

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

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.

400G Optical Modules Explained: SR4 Vs. DR4 Vs. FR4 Vs. LR4

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

FS Transceivers | Premium Optical Transceivers & Fiber Solutions

FS Transceivers offers high-performance optical transceivers, fiber optic modules, and data center connectivity solutions. Compatible with Cisco, Arista, Juniper. Shop 400G/800G transceivers now!

Cisco QSFP-100G-FR-S= network transceiver module Fiber optic

Cisco QSFP-100G-FR-S= network transceiver module Fiber optic 100000 Mbit/s 1310 nm buy at discounted prices. Great Prices and nationwide delivery available.

A Comprehensive Guide to 400G OSFP Ethernet Optical Transceivers

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Comprehensive Product Portfolio In addition to 400G OSFP Ethernet transceivers, NADDOD offers a full range of 1.6T, 800G, 400G, 200G, and 100G optical modules, as well as

What Is the Lifespan of an Optical Transceiver?

Learn the typical lifespan of optical transceiver modules like SFP+, QSFP+, QSFP28, QSFP-DD, OSFP. Discover factors that affect durability, signs of failure.

Cisco Transceiver Modules

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+.

NADDOD Arista Compatible 200G QSFP-DD 2xLR4 1310nm 10km SMF Optical ...

Arista Compatible 200GBASE-2xLR4 QSFP-DD 8x25G NRZ 1310nm 10km SMF DOM Dual CS Duplex Optical Transceiver Module The QDD-200G-2xLR4 transceiver module is designed for use in 200

Differences Between Optical Modules SFP, SFP+, CFP, XFP, QSFP?

QSFP, known as Quad Small Form-factor Pluggable, is a four-channel small form-factor pluggable optical module with four independent full-duplex transceiver channels.

Cisco 40G QSFP+ Transceiver Modules – Network Warehouse

The Cisco 40G QSFP+ transceiver modules portfolio offers customers a wide variety of high-density and low-power 40 Gigabit Ethernet connectivity options.

TeciSoft Axiom 3He07928Aa-Ax Network Transceiver Module Fiber Optic ...

Fiber optic QSFP+ 850 nm Axiom 3HE07928AA-AX. SFP transceiver type: Fiber optic, Maximum data transfer rate: 40000 Mbit/s, Interface type: QSFP+. Product colour: Grey Axiom QSFP+ Transceiver

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