

Offshore Price Optical Transceiver Module QSFP-DD



AI Overview

QSFP-DD optical module prices vary widely, from around \$1,400 for 400G SR8 modules to over \$130,000 for high-end 400G/800G ZR+ coherent modules, depending on type, reach, and vendor.

Price Ranges by Module Type

- 400G SR8 (Short-Reach):** Typically used for in-rack or cross-row connections, priced between \$1,400 and \$1,800 from reputable third-party vendors, making them the most cost-effective entry point for 400G adoption.
- 400G DR4/FR4 (Medium-Reach):** Bridge data center rows or campus links; prices are higher than SR8 due to longer reach and additional features like Digital Optical Monitoring (DOM).
- 400G/800G ZR/ZR+ (Long-Haul Coherent):** Designed for Data Center Interconnect (DCI) and metro/regional networks, prices can exceed \$130,000 per module from OEMs, while validated third-party alternatives may cost around \$12,000.

Factors Affecting Pricing

- Vendor Type:** OEM modules are generally more expensive due to brand, firmware support, and early adoption of new technology. Third-party modules can offer significant savings without compromising performance.
- Transmission Distance:** Short-reach modules (SR8) are cheaper, while long-haul coherent modules (ZR/ZR+) command premium prices due to advanced DSP and coherent optics technology.
- Volume Discounts:** Many vendors offer tiered pricing for bulk purchases, which can substantially reduce per-unit costs.
- Physical Layer Considerations:** Using Direct Attach Copper (DAC) cables for short distances can replace expensive optical modules, reducing overall deployment costs.

Market Trends

The QSFP-DD market is expanding, driven by demand for higher bandwidth, 5G, cloud computing, and AI/ML workloads. 400G modules currently dominate, but 800G modules are rapidly emerging as a key growth segment. Leading vendors include Cisco, II-VI Incorporated, and Lumentum, with ongoing R&D to impr...

Article Content

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+.

QSFPTEK 400GBase QSFP Module DR4 QSFP-DD PAM4 1310nm

Amazon : QSFPTEK 400GBase QSFP Module DR4 QSFP-DD PAM4 1310nm 500m DOM MTP/MPO SMF Optical Transceiver Module Compatible with Cisco QDD-400G-DR4-S-2pack :

100G QSFP28 Transceiver Modules | Optical

FS offers a growing portfolio of 100G QSFP28 modules. The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres,

Customized DAC Twinax Copper Cables

FS offers a growing portfolio of 100G QSFP28 modules. The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres,

400G SR4 QSFP-DD Optical Transceiver Module

400G QSFP-DD SR4 PAM4 Optical Transceiver Module (850nm MTP/MPO-12 OM3/OM4 60m/100m with FEC DDM) 400G QSFP-DD SR4 connects 400G

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

Unsure which 400G module fits your data center? Compare QSFP-DD, OSFP, and QSFP112 with expert insights for top performance and scalability.

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

200G/400G/800G Optical Transceiver Modules | FiberMall

200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for data center interconnect applications - FiberMall

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

800GBASE OSFP/QSFP-DD800 Optics Transceivers

800G QSFP-DD800/OSFP optical module includes two architecture solutions, 2x400G and 8X100G. Its optical interfaces include MPO-16, Dual MPO-12, Dual

QSFP-DD TRANSCEIVER MODULE Price

Check Cisco Price - Cisco Global Price List Tool Cisco Router, Switch, Firewall, Wireless AP, IP Phone Price List Search GPL Bulk Search CiscoHP / HPEDellArubaJuniper More Brands

400G QSFP-DD 100M Optical Transceiver Module

It provides increased port density and total system cost savings. The QSFP-DD full duplex optical module offers 8 independent transmit and receive channels, each capable of 53.125Gb/s operation

Cisco 400G QSFP-DD Ultra Long Haul Coherent Optics

The Cisco 400G QSFP-DD Ultra Long-Haul Coherent Optics Module enables 400G traffic anywhere over dense wavelength division multiplexing

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,

Cisco Transceiver Modules

Cisco now offers a range of all new 400G Digital Coherent QSFP-DD transceivers. Cisco already offers a range of Digital Coherent CFP2 transceivers

200G/400G/800G Optical Transceiver Modules | FiberMall

QSFP-DD-400G-DR4 400G QSFP-DD DR4 PAM4 1310nm 500m MTP/MPO SMF FEC Optical Transceiver Module \$ 400.00 3 Reviews Add to Cart

800G OSFP/QSFP-DD | Transceiver Modules

FS provides an expanding portfolio of 800G OSFP/QSFP-DD solutions featuring high-performance, high-bandwidth, and backward compatibility. The 800G

Optical Transceiver Modules, HUAWEI Cisco SFP SFP+ QSFP Module Price

Get Optical Transceiver Modules at Best Price, Cisco and HUAWEI SFP Module, 10G SFP+ Module, 25G SFP Module, 40g QSFP Module, 100G Module, 400G Module, SFP Cable, DAC Cable, AOC

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

40G QSFP+ Transceiver Modules | Optical

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

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)

QSFP-DD Pluggable Optical Transceiver Modules

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. It is being developed by the QSFP-DD

Offshore Price Optical Line Terminal QSFP-DD

Optimize thermal management with flexible heatsink designs on host platforms. ... 200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for

QSFP-DD Pluggable Optical Transceiver Modules Market's Drivers

The QSFP-DD pluggable optical transceiver module market is projected for substantial expansion, fueled by escalating demand for enhanced bandwidth and accelerated data transmission

Wholesale Optical Transceivers Module | 100G

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert technical

Complete Guide to 400G QSFP-DD Optical Transceivers

Bandwidth & Application The QSFP-DD module provides maximum bandwidth 400Gbps, whereas the QSFP+/QSFP28/QSFP56 can only achieve 40Gbps/100Gbps/200Gbps respectively so

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.

Offshore Price QSFP-DD Optical Module QSFP28

QSFP-DD Optical Transceivers for High-Speed Connections Systems designed with QSFP-DD ports are backwards compatible to support existing QSFP+, QSFP28, and QSFP56 modules.

400G QSFP-DD Price

Join An IT Community Designed to Foster Business Growth. 400G QSFP-DD Transceiver, 400GBASE-DR4, MPO-12,500m parallel. 400G QSFP-DD Transceiver, 400G-FR4, Duplex LC, 2km Duplex SMF.

QSFP-DD Optical Transceivers for High-Speed Connections

Systems designed with QSFP-DD ports are backwards compatible to support existing QSFP+, QSFP28, and QSFP56 modules. This provides flexibility for network designs and migrations to next-generation

Contact Us

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