

Tariff Cost Optical Modulator QSFP-DD



Article Overview

QSFP-DD optical modulators range from around \$1,400 for short-reach 400G SR8 modules to over \$130,000 for long-haul 400G ZR+ OEM modules.

Price Ranges by Module Type

- 400G SR8 (short-reach, in-rack connections): Typically \$1,400–\$1,800 from reputable third-party vendors, making them the most cost-effective entry point for 400G deployment .
- 400G DR4 and FR4 (medium-range, cross-row or campus links): Prices vary depending on distance and vendor, generally higher than SR8 but significantly lower than long-haul coherent modules .
- 400G ZR/ZR+ (long-haul, coherent DCO modules): OEM prices can exceed \$130,000–\$135,000 per module, while validated third-party equivalents may cost around \$12,000, offering identical performance at a fraction of the price .
- Direct Attach Copper (DAC) cables: Extremely cost-effective for short distances under 3 meters, often around \$120, providing a cheaper alternative to optical transceivers when feasible .
- Active Optical Cables (AOCs): Command a premium for extended intra-row reaches, with prices increasing with length and performance requirements .

Factors Affecting Price

- Vendor type: OEM modules carry brand premiums and distribution markups, while third-party modules often use the same components and testing standards at lower cost .

Article Content

Cisco QSFP-DD Pluggable Open Line System (QDD

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

Optical Transceivers in Data Centers Market

The global market for Optical Transceivers in Data Centers was valued at US\$254.5 Million in 2024 and is projected to reach

40G QSFP+ Optical Transceivers | Transceiver Modules

Cisco QSFP-40G-LR4 Compatible 40GBASE-LR4 QSFP+ Optical Transceiver Module (SMF, 1310nm, 10km, LC, DDM) Cisco QSFP

QSFP-DD Linear Pluggable Optics (LPO)

Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth PCIe ® Gen

InnoLight's QSFP-DD Optical Transceiver

This report is an exhaustive analysis of the InnoLight 400G QSFP-DD optical transceiver, including a full analysis of the laser die,

QSFP-DD-Preisliste 2026: Kosten

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

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

As a leading form factor for 400ZR and 800ZR, QSFP-DD delivers cost-efficient, interoperable connectivity with extended reach and

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

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

Cisco QSFP-DD OLS

The Cisco QSFP-DD amplifier module is a networking device designed to meet the demands of high-speed, long-distance data

QSFP28 Price Guide 2026: 100G Transceiver Costs & TCO

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

QSFP Imports Under HS Code 85441990 | QSFP import price | Zaub

Information and reports on QSFP Imports Under HS Code 85441990 along with detailed shipment data, import price, export price,

QSFP-DD Optical Transceivers Unlocking Faster Connections

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

What Factors Influence 400G Optical Transceiver Price

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

QSFP-DD Optical Transceivers - MapYourTech

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

Cisco QSFP-DD800 Transceiver Modules Data Sheet

Product overview The Cisco QSFP-DD800 modules introduce 8x100G and 2x400GGBASE Quad Small Form-Factor Pluggable

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

Cisco 400G Digital Coherent Optics QSFP-DD Optical Modules

Cisco offers a comprehensive range of pluggable optical modules in the Cisco® pluggables portfolio. The wide variety of modules

800GBASE OSFP/QSFP-DD800 Optics Transceivers Module | FiberMall

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

QSFP-DD Transceiver Guide 2026: Complete 400G/800G Deployment

What is a QSFP-DD Transceiver? The QSFP-DD optical transceiver form factor enables 400G and 800G connections

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

The Big Differences Between SFP, SFP+, SFP28,

Delve deep into the world of optical modules. From SFP to the latest QSFP-DD, explore

Pluggable Optics for Data Centers Business Analysis Report 2025 ...

The rising market for pluggable optics in data centers is driven by the demand for scalable, high-speed connections

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,

Optical Transceiver Market Size, Share, Analysis 2030

The global Optical Transceiver Market size in terms of revenue was estimated to be worth \$13.6 billion in 2024 and is poised to reach

QSFP-DD 400G optical transceivers SR8, DR4, FR4 and LR4 models

Product description The QSFP-40000-SR8 is a parallel 8x 50Gb/s Quad Small Form-factor Pluggable Double Density (QSFP-DD)

800G OSFP Optical Transceiver Modules

Explore QSFPTEK 800G OSFP optics price lists and datasheets. The 800G optics provide ultra low latency, low power, and high

QSFP-DD Optical Module Wiki

QSFP-DD (Quad Small Form Factor Pluggable-Double Density) is a new modular connector system that utilizes a

Cisco 400G Digital Coherent Optics QSFP-DD Optical Modules Data

These small, modular optical interface transceivers offer a convenient and cost-effective solution for an array of

400G QSFP-DD Price

QSFP-DD transceiver module, coherent DCO, 400G-ZR. QSFP-DD transceiver module, coherent DCO, 400G-ZR+. QSFP-DD

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