

Price list for QSFP optical modules for data center interconnection



AI Overview

QSFP optical module prices vary widely: 400G SR8 modules cost \$1,400–\$1,800, LR4 modules over \$10,000, and coherent ZR/ZR+ modules can exceed \$130,000 depending on reach and vendor.

400G QSFP-DD Modules

- SR8 (Short Reach, in-rack/cross-row):** \$1,400–\$1,800 from reputable third-party vendors, making them the standard entry point for 400G adoption.
- DR4/FR4 (Medium Reach, between rows or short campus links):** Prices are competitive due to a strong third-party ecosystem, generally lower than OEM equivalents.
- LR4 (Long Reach, 10–40 km):** OEM modules can exceed \$10,000, significantly increasing DCI deployment costs.
- ZR/ZR+ (Ultra Long Reach, 80 km–1000 km):** Coherent optics for wide-area networks are the most expensive, with OEM ZR+ modules exceeding \$130,000; third-party alternatives can offer substantial savings.

800G QSFP-DD Modules

Pricing is still stabilizing; third-party modules typically cost 60–70% of OEM list prices. OEM modules are preferred for critical 800G workloads due to DOM integration and firmware compatibility. Coherent 800G ZR/ZR+ modules support single-span DCI up to 120 km (800ZR) and beyond 1000 km (800G ZR+), suitable for metro and regional interconnects.

Factors Affecting Pricing

- Vendor Type:** OEM modules are significantly more expensive than third-party equivalents.
- Transmission Distance:** Short-reach modules (SR8) are inexpensive; long-reach and coherent modules (LR4, ZR, ZR+) escalate costs.
- Form Factor:** QSFP-DD is standard for 400G/800G; QSFP28 is used for 100G deployments.
- Digital Optical Monitoring (DOM):** Modules with DOM support may carry a premium.
- Cables:** Direct Attach Copper (DAC) is cost-effective for

Article Content

Arista QDD-400G-DR4 Compatible 400GBASE-DR4

Description Arista QDD-400G-DR4 Compatible 400GbE QSFP-DD DR4 1310nm 500m FEC SMF Optical Transceiver Module (PAM4, MTP/MPO, DDM,

Cisco 400G Optical Modules Price

The QSFP-DD modules are our new generation of 400G transceiver modules based on a QSFP-DD form factor. Check Cisco 400G optical modules price, and buy them with best discount. Fast shipping

Optical Transceiver Modules, HUAWEI Cisco SFP SFP+ QSFP

Deploy software configurable line rates and modulation schemes for long-reach amplified DWDM systems or dark fiber systems. Support line rates up to 400 Gbps over a single-fiber bidirectional

QSFP56 Price Guide 2026: What You'll Actually Pay | FiberMall

That packaging and thermal design add cost. The result is simple: same form factor, same 200G class, very different prices. A data center team buying SR4 for leaf-to-spine links within

NVIDIA/Mellanox Compatible 800G SR8 OSFP PAM4

NVIDIA/Mellanox Compatible 800GBASE-SR8 OSFP Finned Top PAM4 850nm 100m MTP/MPO-16 APC MMF Optical Transceiver Module NVIDIA/Mellanox

800G Client Optics in the Data Center

The QSFP-DD form factor is widely deployed in 400G connected data centers and has been a critical factor in delivering cost-effective 400G optical modules with 50G PAM4 lanes.

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise wiring closet, and service provider transport

Guide to QSFP Modules for Data Centers & Enterprises

Introduction: What is a QSFP Module? QSFP modules are high-density, low-power, small form factor pluggable (QSFP) transceiver modules for 40 Gbps data links. QSFP module is the latest

Optical Transceiver Pricing: Cost Ranges by Speed and Type

See practical price ranges for 1G–100G optical transceivers, DAC/AOC options, and why cost varies by speed, reach and technology — buying tips included.

Price list for SFP-QSFP28 optical modules for data center interconnection

Optical Transceiver Market Size, Share, Industry Report Industrial cloud deployments and edge data center growth supporting Industry 4.0 initiatives further drive adoption of high-speed 100G to 800G

Price list for SFP-QSFP28 optical modules for data center

A complete guide to 100G QSFP28 transceivers covering types, specs, reach, compatibility, and how to choose the right module for data center and telecom networks.

100G QSFP28 Module Cost: Pricing Guide & Factors | Vitex

Discover 100G QSFP28 module pricing. Learn key cost factors, considerations, and real examples to make informed purchasing decisions for your network.

Optical Interconnect Market Size, Share & Trends

Rise in Data Center Traffic Boosts Higher Adoption of Optical Transceivers On the basis of product type, the optical interconnect market is categorized into cable assemblies, connectors,

Optical Transceivers | Network Solutions for AI Cluster,

Learn the differences between 200G DAC and 200G AOC cables, including QSFP56 and QSFP-DD form factors, transmission distance, power consumption,

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

Top 10 Optical Module Brand & Manufacturers

This section provides a list of the top 10 Optical Module manufacturers, Website links, company profile, locations is provided for each company. Also provides a detailed product description of the Optical

Optical Transceiver Modules Prices & Specifications

Optical Transceiver Modules/SFP, also called fiber optic transceiver or optical transceiver, is a typically hot-pluggable device used in high-bandwidth data

800G Digital Coherent Optics DCO Transceiver Market 2026-2034

800G Digital Coherent Optics (DCO) transceivers are engineered to support Dense Wavelength Division Multiplexing (DWDM) applications such as Data Center Interconnect (DCI) up to

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.

Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your network.

Guide to QSFP28 Transceivers for 100G Data Center Connectivity

However, there are several types of 100G optics (transceivers and cables) available on the market like the CFP, CFP2, CFP4 and QSFP28 fiber optic assemblies. QSFP28 transceivers offer the cost

KIT QSFP28 100GB (MMF, 850nm, 100m, MPO) for Cisco UCSC

Plug and Play Ready (QSFP/QSFP+) Applications: Security networks

Telecommunication networks Active device interface Data center networks Gigabit Ethernet Data processing networks

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 discounts, and hidden TCO factors.

Global Leader in Materials, Networking, and Lasers

Communications Transform global communications networks with our comprehensive portfolio of coherent transceivers and modules, lasers, amplifiers,

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For more information, pricing, or custom solutions, please contact us:

Website: <https://adicor.eu>

Email: info@adicor.eu

Phone: +33 6 48 37 92 15

Address: 12 Rue de la Paix, 75002 Paris, France

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