Price list for QSFP-DDSFP optical modules for data center interconnection

Overview

Find top QSFP optical transceiver modules for data centers. Compare 100G, 400G, ZR4, and LR4 options.

Key Takeaways

QSFP-DD optical module prices range from around $1,400 for short-reach 400G SR8 modules to over $130,000 for long-haul coherent ZR+ modules, with 800G modules generally priced at 60–70% of OEM list prices.400G QSFP-DD Modules
• SR8 (Short Reach, 8x50G or 8x25G lanes): Ideal 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 option for standard data center deployments .

• DR4 and FR4 (Medium Reach): Used for inter-row or campus links. Prices are competitive due to a strong third-party ecosystem, typically $3,000–$6,000, depending on vendor and volume .

• LR4 (Long Reach): Suitable for longer DCI links, OEM pricing can exceed $10,000, while third-party alternatives may offer significant savings .

• ZR and ZR+ (Coherent Long-Haul): Designed for wide-area DCI, OEM modules can cost $130,000+, representing the largest line-item expense in many deployments. Third-party options can reduce costs substantially .
800G QSFP-DD Modules
• Short-Range 800G (8x100G or 4x200G): Emerging for high-bandwidth data center interconnects, with transmission distances of 100m, 500m, and 2km. Prices are still stabilizing, with third-party modules typically 60–70% of OEM list prices .

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• Market Considerations: 800G modules are less commoditized than 400G, and many enterprises prefer OEM modules for critical workloads due to DOM integration and firmware compatibility .
Vendor Options
• OEM Modules: Cisco, Broadcom, and other major vendors provide high-reliability modules with full support and warranty, but at a premium price .

• Third-Party Modules: Vendors like FS, FiberMall, and Unitekfiber offer cost-effective alternatives compatible with major OEM hardware, often at substantially lower prices for both 400G and 800G modules .
Summary

When planning data center interconnects:

• Short-reach 400G SR8 modules are the most economical starting point.

• Medium- and long-reach modules (DR4, FR4, LR4) increase costs progressively.

• Coherent ZR/ZR+ modules are the most expensive but necessary for long-haul DCI.

• 800G QSFP-DD modules are emerging, with prices currently higher and more variable, but third-party options can reduce costs by 30–40% compared to OEM pricing. Selecting the right module depends on distance, bandwidth requirements, and budget, with third-party vendors offering significant savings for non-critical deployments while OEM modules remain preferred for high-reliability or early-adoption scenarios.

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

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The goal is to define pluggable low-cost optical modules for data center applications with short-range 800G transmission, including

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For applications involving 400G data center interconnects, leveraging QSFP-DD transceivers, direct attach cables

QSFP-DD Optical Transceivers for High-Speed Connections

Product overview The ongoing explosion of data traffic is driving the need for faster processing, greater bandwidth, and higher

Price List for 10G QSFP Optical Modules for Data Center Interconnection

We provide compatible optical modules with online shopping function. This article explores how to interconnect OSFP and QSFP-DD

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

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QSFP-DD800 modules enable higher radix for next-generation network designs and provide

QSFP Data Center: Complete Guide to 100G–800G Optical Connectivity

Learn how QSFP modules power data centers from 40G to 800G. Compare module types, deployment best practices,

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The Cisco® family of QSFP-DD modules provide the industry''s highest bandwidth density

OEM|ODM active optical cable|aoc cable|40g QSFP+ aoc cable

40G QSFP+ AOC Active Optical Cable Application AOC active fiber optic cables are fully applicable to Infiniband interconnection

Interconnection Between OSFP and QSFP-DD Ports for 400G/800G Data Centers

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This article outlines key OSFP and QSFP-DD differences and offers four practical interconnection solutions to support

Cisco QSFP-40G-SR4 40GBASE-SR4 QSFP Module, MMF 100m, Price

Cisco QSFP-40G-SR4 Overview The Cisco QSFP-40G-SR4 is a high-performance QSFP transceiver module designed for

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The module also supports Precision Timing Protocol (PTP) Class C Timing, making it an ideal choice for low latency

The Ultimate Guide to Cisco QSFP Optical Transceiver Modules

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Overview of the QSFP-4X10G-LR-S Module Advantages and Applications in Data Centers Understanding Connector

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

What Drives QSFP56 Price QSFP56 modules all deliver 200G-class bandwidth, but the bill of materials changes

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QSFP-DD800 modules enable higher radix for next-generation network designs and provide super-high-density

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Price list for QSFP-DD pluggable optical modules for data center ...

The QSFP-DD modules are our new generation of 400G transceiver modules based on a QSFP-DD form factor. Check Cisco 400G

Cisco 400G Optical Modules Price

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QSFPTEK Transceiver Best Deals and Price List

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

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