

# Price list for QSFP optical transceiver modules for data center interconnection



## AI Overview

QSFP-DD active optical modules for data center interconnect range from \$1,400 for short-reach 400G SR8 modules to over \$130,000 for long-haul coherent ZR+ modules, with 800G modules priced at roughly 60–70% of OEM list prices.

**400G QSFP-DD Modules Pricing**

- SR8 (Short Reach 8):** Designed for in-rack or cross-row connections over multimode fiber up to 100 meters. Third-party vendors offer these modules between \$1,400 and \$1,800, making them the most cost-effective option for standard 400G deployments.
- DR4 (Datacenter Reach 4):** Single-mode fiber, up to 500 meters. Prices are slightly higher due to longer reach, typically in the \$2,000–\$3,000 range from third-party suppliers.
- XDR4 (Extended DR4):** Extends DR4 reach to 2 km. Pricing varies depending on vendor and volume, generally \$3,000–\$5,000.
- FR4 (Fiber Reach 4):** Supports up to 2 km on single-mode fiber using four wavelength-multiplexed channels. Prices are competitive in the third-party market, often \$4,000–\$6,000.
- LR4 (Long Reach 4):** Optimized for up to 10 km. OEM modules can exceed \$10,000, while third-party alternatives may offer savings of 30–40%.
- ZR/ZR+ (Coherent Long-Haul):** Used for wide-area DCI, prices can exceed \$130,000 for OEM modules, but third-party options can reduce costs significantly.

Power consumption for 400G QSFP-DD modules typically ranges from 7 to 12W depending on the type and reach.

**800G QSFP-DD Modules Pricing**

The 800G market is still maturing. Third-party 800G modules are generally priced at 60–70% of OEM list prices, reflecting early adoption and limited vendor competition. OEM modules are preferred for critical production workloads due to DOM integration and firmware compatibility, while third-party modules are increasingly reliable for less critical deployments.

**Key Considerations**

**Transmission distance:** Short-reach modules (SR8) are cost-effective...

## Article Content

AI Optical Transceiver Market: \$15.44B by 2025, 11.1% CAGR

The AI Optical Transceiver market is projected to reach \$15.44 billion by 2025, driven by expanding large model training and data center infrastructure needs. Obtain analytical insights and

Hot-Pluggable Optical Modules Market: \$15B by 2025, 12% CAGR

The Hot-Pluggable Optical Modules market is projected to reach \$15 billion by 2025, expanding at 12% CAGR. Growth is driven by cloud services, data centers, and AI infrastructure.

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.

Commercial Optical Modules: Growth Drivers & 11.1% CAGR Outlook

The Commercial Grade Optical Modules market is set to reach \$15.44 billion by 2025, driven by an 11.1% CAGR. This growth stems from escalating data center and enterprise network

100G/400G Optical Transceiver Modules

Buy 100G and 400G fiber optic transceivers for high-speed, high-density and high-capacity data center solutions at QSPTEK online store. Compatibility guaranteed and same-day shipping.

400G OSFP/QSFP112/QSFP-DD | Transceiver Modules

The 400G transceiver modules are ideal choice for AI data centers, enterprise networks and service provider networks. Click to get your 400G transceiver modules and cables from nearby warehouses.

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15km Optical Transceiver Buying Guide

The phrase "15km transceiver" refers to an optical module optimized for intermediate-to-long reach (Intermediate Reach / LR), typically using 1310nm or 1550nm wavelengths over Single-Mode Fiber

Top 10 Optical Transceiver Manufacturers in the World

Sourcing optics for your data center? Discover the top 10 optical transceiver manufacturers in 2026. Compare global giants and factory-direct OEM alternatives.

## Wholesale Optical Transceivers Module | 100G QSFP28, 40G QSFP

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

## Hot-Pluggable Optical Transceiver Market Trends & 2033 Outlook

The Hot-Pluggable Optical Transceiver market is expanding due to hyperscale data center demand and AI infrastructure build-outs. Analyze key segments and market share to inform strategy.

## QSFP Optical Transceiver Module Data Center

Find top QSFP optical transceiver modules for data centers. Compare 100G, 400G, ZR4, and LR4 options. Click to explore verified suppliers, pricing, and specs for 2026.

## Small Form-factor Pluggable

Small Form-factor Pluggable Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module format used for

## QSFPTEK Transceiver Best Deals and Price List

QSFPTEK is a one-stop optical transceiver manufacturer and seller. We provide 1G to 400G optics with a vast selection of compatibility and models. Our compatible modules are affordable

## Global Leader in Materials, Networking, and Lasers

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

## 40G QSFP+ Transceiver Modules | Optical Transceivers

Click to get your 40G QSFP+ transceiver modules from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.

## Pluggable Optical Modules Market : Global Industry Analysis and ...

The pluggable optical modules market is projected to grow from USD 12.6 million in 2025 to USD 45.7 million by 2036 at 12.4% CAGR due to cloud data center port upgrades and staged

## 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

## Arista QDD-400G-DR4 Compatible 400GBASE-DR4 QSFP-DD 500m

NADDOD Arista QDD-400G-DR4 Compatible 400GBASE-DR4 QSFP-DD 1310nm 500m SMF Ethernet transceiver module and designed for RoCE networking. It is compatible with Arista 7060X6-64PE

### A Comprehensive Look at the QSFP28-100G-ZR4 Optical Module

The QSFP28-100G-ZR4 optical transceiver is a high-performance module that delivers reliable data transfer across extended distances, with exceptional signal quality and reliability.

### Data Center Optical Transceiver Market Size, Share, Trends

The global data center optical transceiver market was valued at USD 9.2 billion in 2025 and is projected to reach USD 21.3 billion by 2032, advancing at a compound annual growth rate (CAGR) of 12.9%

### Hot-Pluggable Optical Transceiver Market: 10.84% CAGR & 2033

Hot-Pluggable Optical Transceiver market grows at 10.84% CAGR, driven by AI, Cloud Services, and data center expansion. Analyze key trends & projections to 2033.

### Commercial Optical Transceiver Market Trends & Forecast 2034

The Commercial Grade Optical Transceiver market is projected for 11.1% CAGR growth to 2034, driven by data center and enterprise network expansion. Analyze key segments and

SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD,

Various high-speed transceiver types are on the market, including SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP112, QSFP-DD, OSFP, etc.

### QSFP Transceiver Modules | 40G, 100G, 400G QSFP+, QSFP28

Shop a complete range of reliable QSFP transceiver modules. Find compatible QSFP+, QSFP28, and QSFP-DD optics for data rates from 40G to 400G and beyond. Engineered for data centers and

### Transceiver Modules for Data Center Interconnect (DCI) □NADDOD

NADDOD's Data Center Interconnect (DCI) optical transceivers are designed to connect distributed data centers with high bandwidth, ultra-low latency, and long-distance transmission. Covering 100G,

### Optical Transceiver Market Size, Share, Industry Report – 2035

Optical Transceiver Market Size The global optical transceiver market was valued at USD 13.4 billion in 2025. The market is expected to grow from USD 15.4 billion in 2026 to USD 28.6 billion in 2031 &

### 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.

## Contact Us

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