

Price list for 40G coherent optical modules for data center interconnection



Article Overview

40G QSFP+ coherent optical modules for DCI typically range from \$200 to \$1,200 per module depending on type, distance, and vendor.

Overview of 40G QSFP+ Modules

40G QSFP+ (Quad Small Form-factor Pluggable Plus) modules are widely used in data center interconnection (DCI) to provide high-speed 40Gbps links. They come in several types based on transmission distance and fiber compatibility:

- SR4 (Short Reach): Uses multi-mode fiber (OM3/OM4) for distances up to 100-150 meters. Ideal for intra-data center connections. Modules like 40GBASE-SR4 QSFP+ typically cost \$200-\$400 per unit (Transceiver USA, FiberMall) .
- LR4 (Long Reach): Uses single-mode fiber with LC connectors for distances up to 10 km. Suitable for inter-building or campus DCI links. Prices generally range from \$500-\$800 per module .
- ER4 (Extended Reach): Single-mode fiber modules capable of 40 km transmission, often used for metropolitan or long-haul DCI. These modules are more expensive, typically \$900-\$1,200 per unit (QSFPTEK, Cisco-compatible) .

Vendor Compatibility and Features

Most 40G QSFP+ modules are compatible with major switch brands such as Cisco, Juniper, Arista, Ubiquiti, and Edge-Core. Professional-grade modules are tested for...

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400G QSFP-DD Digital Coherent Optics transceiver

Datasheet Networking 400G QSFP-DD Digital Coherent Optics transceiver OIF 400ZR, Standard Tx output power (-10dBm), C-band

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Find top-tier coherent optical module data center solutions with 400G, PAM4, and DCO tech. Verified suppliers, low

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The interconnection between data center network elements and equipment mostly uses multi-mode fiber. Although

Coherent Optics for Data Center Networks

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Upcoming generations of coherent intra/inter data center interconnects currently lack a clear path toward a reduction

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

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40G Optical Transceivers and Cables Portfolio | FS

The 40G transceiver module portfolio offers customers 40Gigabit Ethernet connectivity options for data center, high-performance

Coherent Optical Modules and DCI BOX Solutions | GIGALIGHT

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Mar. 20, 2025. Coherent announces the launch of its 2x400G-FR4 Lite optical transceiver, a silicon photonics-based module

400G COHERENT OPTICAL TRANSCEIVER FRONTEND

Features • Compact stand-alone coherent optical transceiver frontend • Based on a coherent Tx and Rx Optical Sub-Assembly

Contact Us

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