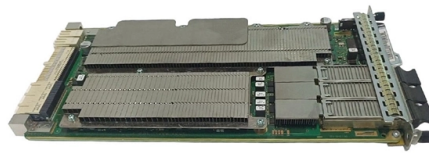


Price List for Bestselling Optical Transmitters for Data Center Interconnection



Overview

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.

Key Takeaways

Bestselling optical transmitters for data centers range from 10G SFP+ modules to 800G QSFP-DD and OSFP modules, with pricing typically varying by speed, reach, and vendor. Popular Optical Transceiver Types SFP+ (10GBASE-SR/LR) – Common for top-of-rack (TOR) switches and short- to medium-range connections. Ideal for 10G Ethernet links in enterprise and cloud data centers.

SFP28 (25GBASE-SR/LR) – Supports 25G Ethernet, often used in server uplinks and aggregation layers. QSFP+ (40GBASE-SR4/LR4) – High-density 40G modules for aggregation and spine-leaf architectures. QSFP28 (100GBASE-SR4/LR4/CWDM4) – Widely used for 100G Ethernet, supporting both short-range (SR4) and long-range (LR4) deployments.

QSFP-DD & OSFP (200G/400G/800G) – Cutting-edge modules for hyperscale data centers, AI workloads, and 5G infrastructure, offering high bandwidth and energy efficiency.

DWD

M SFP+ and BiDi SFP – Specialized modules for dense wavelength division multiplexing and single-fiber bidirectional links.

Key Vendors and Market Leaders

Coherent Corp., Lumentum, Huawei, HUBER+SUHNER, Cube Optics AG – Leading manufacturers focusing on high-speed, energy-efficient, and compact transceivers for data center and telecom applications. FS.com – Offers a wide range of transceivers from 1G to 800G, tested for interoperability with 200+ switches, and provides global supply and support.

Inno

Light, Eoptolink, Link-Pp – Known for high-performance 400G/800G modules, optimized for AI and hyperscale data center networks.

Pricing Considerations

While exact prices fluctuate based on vendor, volume, and region, general trends include: 10G SFP+ modules: Typically range from \$50–\$150 per unit for standard SR/LR modules. 25G SFP28 modules: Around \$100–\$250 per unit, depending on reach and brand. 40G QSFP+ modules: Approximately \$200–\$400 per unit.

100G QSFP28 modules: Usually \$400–\$1,200 per unit, with CWDM4 and LR4 variants at the higher end. 200G–800G QSFP-DD/OSFP modules: Premium pricing, often \$1,500–\$5,000+ per unit, reflecting high-speed performance, thermal management, and AI/data center optimization.

Additional Notes

Transmission distance: Single-mode fiber supports long distances (up to 20 km), while multi-mode fiber is suitable for shorter links (up to 2 km) in LAN or TOR deployments. Compatibility: Ensure modules are compatible with existing switches and network equipment; many vendors provide compatibility tools and lab-tested interoperability. Future-proofing: For AI-driven or hyperscale data centers, consider modular, low-power, and multi-vendor compatible transceivers to support network scaling and 400G/800G upgrades.

For exact pricing and bulk orders, it is recommended to contact vendors directly or use B2B platforms like FS.com, Alibaba, or Link-Pp, as prices vary with volume, region, and module specifications.

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 TCO analysis for data center buyers.

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

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Opportunities in networking optics: Boosting supply for data centers Potential shortfalls in networking optics supply could hinder data center and AI expansion. How can players boost supply and seize

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