

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

Article Overview

QSFP28 modules for 100G data center links typically range from \$150 to \$600 per module, depending on type, reach, and vendor.

Price Ranges by Module Type

- o SR4 (Short-Range, multimode, up to 100m on OM4 fiber): \$150-\$250 per module. Ideal for intra-rack or nearby rack connections, offering the most economical solution for short-reach links .
- o LR4 (Long-Range, single-mode, up to 10 km): \$400-\$600 per module. Suitable for building-to-building or campus-wide interconnects, using four CWDM wavelengths over duplex LC fiber .
- o CWDM4 (Single-mode, 2 km-2.5 km): \$350-\$500 per module. Optimized for medium-range data center interconnects with cost-effective wavelength multiplexing .
- o ZR4 (Extended Reach, single-mode, up to 80 km): \$800-\$1,200 per module. Used for long-haul metro or telecom links, less common in standard data centers .

Factors Affecting QSFP28 Pricing

- o Engineering and Testing Costs: Modules undergo design verification and reliability testing, including temperature cycling, moisture resistance, and shock tests. These costs are reflected in the final price .
- o Bill of Materials (BOM): Chipsets, optical components, and mechanical casings contribute significantly to cost .
- o Production and Yield: Labor, equipment, and manufacturing yield rates influence module pricing .
- o Vendor and Brand: OEM modules from Cisco, Juniper, or Arista are typically higher priced than third-party vendors like FS, Amphenol, or Cables on Demand .
- o Purchase Volume: Bulk orders often reduce per-unit cost, while small quantities may carry a premium .
- o Market Strategy: Discounts, promotions, or end-of-quarter pricing can affect module cost .

Vendor Examples

- o FS.com: Offers 100G QSFP28 modules with 30-day free returns, prices generally in the \$200-\$500 range depending on type and reach .
- o Cables on Demand: Provides Amphenol QSFP28 modules in SR and LR variants, with pricing aligned to short- and long-range specifications .
- o Vitex LLC: Offers a pricing guide and explains cost factors for 100G QSFP28 modules, useful for budgeting and procurement planning .

Summary



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

For data center interconnection, the most common QSFP28 modules are SR4 for short-reach and LR4 or CWDM4 for longer links. Prices vary widely based on reach, optical technology, vendor, and purchase volume, typically ranging from \$150 for SR4 modules to \$600 for LR4 modules, with ZR4 modules reaching higher costs for extended distances. Selecting the right module requires balancing distance requirements, fiber type, and budget to ensure cost-effective deployment.

Discover 100G QSFP28 module pricing. Learn key cost factors, considerations, and real examples to make informed

With data throughput in excess of 28.0 Gbps per lane, our 1X (1 x lane) SFP28 Optical Module (SR/LR) is perfect for use with 25

This guide decodes critical distinctions between SFP, SFP+, SFP28, QSFP+, and QSFP28 modules--covering form

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FS offers a growing portfolio of 100G QSFP28 modules. The 100G QSFP28 module solution provides high-performance 100GbE

Explore the differences between SFP, SFP+, SFP28, QSFP, and QSFP28 transceivers in the network industry. Learn

SFP28 o QFSP28 Optical Modules Amphenol 25G SFP28 Optical Transceiver Modules and 100G QSFP28 Optical Transceiver

Learn the differences between Cisco SFP, SFP+, QSFP-28, and OSFP optical transceivers. Explore technical comparisons,

SFP vs SFP28 vs QSFP28 vs QSFP-DD/OSFP: 2026 Data Center Optical Transceiver Selection Guide An engineer

Real QSFP28 pricing for 2026: SR4, LR4, CWDM4, and single-lambda costs. Compare OEM vs third-party, volume

Product overview The FS's 100GBASE Quad Small Form-Factor Pluggable (QSFP28) portfolio offers customers a wide variety of



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Compare SFP, SFP+, SFP28, QSFP+ and QSFP28 in this 2026 selection guide. Learn where each form factor fits,

Explore the best optical transceiver modules for modern data centers, including SFP+, QSFP28, QSFP-DD, and

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data

Explore the ultimate guide to SFP vs SFP+ compatibility, covering interoperability and backward compatibility of SFP+

QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment.

Web: <https://supremeacademicresearch.co.za>

