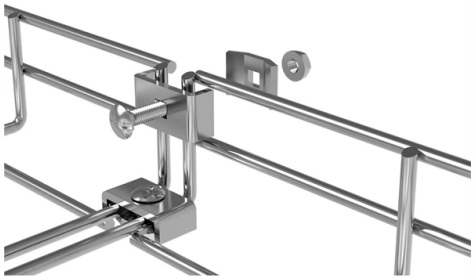
Price of SFP optical module QSFP28



Overview

The price of a QSFP28 module depends on the module type, reach, coding, temperature grade, warranty, order quantity, and supplier. Compatible QSFP28 SR4 modules can start around $35.

Key Takeaways

QSFP28 modules typically range from $35 to $280 depending on type and vendor, while SFP+ modules cost around $20 for 10G connectivity. QSFP28 Pricing OverviewQSFP28 modules, designed for 100G Ethernet, vary widely in price based on reach, vendor, and specifications. Common market prices in 2026 are: Short-reach (SR4) modules: starting at $35 for third-party compatible options, delivering 100G over multimode fiber.

Long-reach (LR4) modules: around $280 for OEM versions supporting 10 km single-mode fiber. High-end modules (ER4, ZR4): can reach several thousand dollars for OEM units, especially for extended reach up to 80 km. Third-party modules often meet the same optical and electrical specifications as OEM modules, including 100GBASE-SR4, LR4, CWDM4, ER4, or ZR4, but differences may exist in EEPROM coding, firmware, warranty, and vendor support.

Typical power consumption ranges from 3. 5W to 4. 5W depending on reach and design.

SF

P and SFP+ PricingSFP modules: support lower speeds, typically up to 4. 25 Gbps, and are widely used in legacy or low-bandwidth networks. SFP+ modules: standard for 10G Ethernet, costing around $20 per module, which equals $2 per Gbps.

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While QSFP28 has a higher upfront cost, it provides much lower bandwidth cost—for example, a $35 QSFP28 SR4 module delivers 100G, equating to $0. 35 per Gbps, making it more cost-efficient for high-speed deployments.

Key Considerations

Compatibility: Ensure modules match your switch platform and fiber type. Vendor choice: OEM modules offer official support, while third-party modules are more cost-effective. Deployment scale: Bulk purchases can significantly reduce per-Gbps cost.

Future scalability: QSFP28 supports 100G and can be used in breakout configurations for 25G lanes, providing a smoother upgrade path compared to jumping from 10G to 100G. In summary, QSFP28 modules are ideal for high-speed, cost-efficient 100G networks, while SFP/SFP+ modules remain suitable for lower-speed or legacy deployments, with pricing reflecting both performance and vendor support considerations.

Article Content

QSFP28 Price Guide 2026: 100G Transceiver Costs & TCO

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Optical Transceiver Pricing: Cost Ranges by Speed and Type

4 e DAC/AOC where appropriate to avoid extra optics and patch-panel costs for short, fixed-length links. WOLON manufactures a broad optical module lineup (SFP, SFP+, SFP28, QSFP/QSFP28)

SFP Modules: Types, Selection Guide & Applications

An SFP module is a compact, hot-swappable optical transceiver designed to facilitate data transmission between network devices such as switches, routers, servers, and media converters.

The Ultimate Guide to SFP, SFP+, SFP28, QSFP+, and QSFP28:

This guide decodes critical distinctions between SFP, SFP+, SFP28, QSFP+, and QSFP28 modules—covering form factors, channel architectures (single vs. quad), and performance

DAC vs AOC vs Fiber + Optics Buying Guide | How to Choose the

Not sure whether to choose DAC, AOC, or Fiber + Optics? Learn the differences, transmission distances, applications, and recommended optical modules for data centers, enterprise

Optical Modules Market Research Report 2034

The 100G QSFP28 transceiver, available in multiple variants including SR4, LR4, PSM4, and CWDM4, has achieved near-commodity pricing with mass-market availability from dozens of qualified vendors,

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The Big Differences Between SFP, SFP+, SFP28, QSFP+, QSFP28,

7. Cost Analysis SFP being one of the earliest modules, its price has relatively stabilized and is a fit for enterprises on a tight budget. SFP+ and SFP28, though initially pricier due to their

SFP vs SFP+ vs SFP28 vs QSFP+ vs QSFP28 vs QSFP-DD vs

The diversity of optical transceivers is reflected in various connector types and form factors, including SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP-DD, and OSFP. But what are the

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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