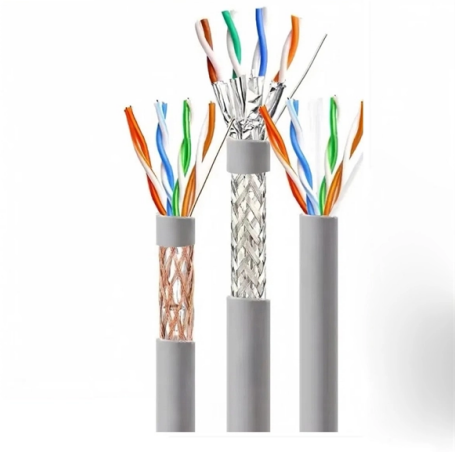
Price list for 10GLPO optical modules for data center interconnection



Overview

Learn the latest 10G SFP price ranges, key cost factors, brand comparisons, and how to buy reliable 10G SFP modules at the best value.

Key Takeaways

10G SFP+ optical modules typically range from $20 to $300 per unit, depending on type, reach, and brand. Typical Price RangesShort-Reach (SR) Multimode Modules: $20–$60 for compatible modules; ideal for distances up to 300 meters using OM3 fiber.

Long-

Reach (LR) Single-Mode Modules: $100–$300 for branded or vendor-certified modules; support distances up to 10 km using OS1 fiber. Extended Reach (ER/ZR) Modules: Can exceed $300 due to higher optical output and stricter performance requirements.

OE

M vs Compatible Modules: Branded modules from Cisco, HP, or Brocade are priced higher than functionally equivalent compatible modules, often 2–3 times more, due to warranty, support, and vendor lock-in.

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Factors Affecting Price

Transmission Distance: Longer distances require higher-quality optics and tighter tolerances, increasing cost. Optical Technology: Single-mode optics (LR/ER) are more expensive than multimode (SR) due to manufacturing complexity. Brand and Warranty: OEM modules carry premium pricing for guaranteed compatibility and support.

Volume and Supplier: Wholesale or bulk purchases can reduce per-unit cost; factory-direct suppliers may offer lower prices. Wavelength: 850nm multimode optics are cheaper than 1310nm or 1550nm single-mode optics.

Practical Guidance

For data center interconnection, most deployments use SR modules for short intra-rack or intra-data center links and LR modules for inter-building or campus links.

Compatible S

R modules provide cost-effective solutions for distances under 300 meters, while LR modules are preferred for backbone links requiring longer reach and higher reliability. For bulk procurement, platforms like FS.com and GlobalSources offer a wide selection of 10G SFP+ modules with competitive pricing and fast shipping. By understanding these ranges and factors, data center operators can make informed decisions balancing cost, performance, and vendor support.

Article Content

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

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