

Price List for 100G Enterprise-Grade Optical Routers for Data Center Interconnection



AI Overview

100G QSFP28 optical transceivers for data center interconnect range from \$35 for short-reach third-party modules to over \$2,000 for OEM long-reach modules, with significant cost savings possible using qualified third-party optics.

Overview of 100G Optical Modules

100G optical transceivers, typically in QSFP28 form factor, are widely used for data center interconnect (DCI), supporting high-bandwidth, low-latency, and long-distance links between distributed facilities. They come in various types based on reach and fiber type:

- SR4 (Short Reach):** Multi-mode fiber, up to 100m, MPO connector, ideal for intra-data center links.
- LR4 (Long Reach):** Single-mode fiber, up to 10km, duplex LC connector, suitable for cross-site DCI.
- ER4/ZR4:** Extended reach, up to 40-80km, for long-distance interconnects.
- CWDM4/DR:** Cost-effective options for medium-range single-mode links.

Pricing Examples

Third-Party QSFP28 SR4 Modules: Around \$35 per module, equating to \$0.35 per Gbps. These are suitable for short-reach intra-data center connections.

OEM LR4 Modules: Can cost \$2,200 per module, providing guaranteed compatibility and support for 10km single-mode fiber.

Third-Party LR4 Modules: Compatible alternatives are available for \$280 per module, offering the same 10km reach and warranty, with proper testing ensuring reliability.

Cisco 100G Modules: Pricing varies by type (SR4, LR4, ER4, ZR, CWDM4) and platform compatibility. Volume discounts are often available for purchases of 100 units or more.

Cost Considerations

OEM vs Third-Party: OEM modules provide guaranteed support and platform coding, while third-party modules offer substantial cost savings but require testing for compatibility.

Volume Discounts: Large-scale pu...

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Price list for LPO optical routers for data center interconnection ...

It includes historical shipment data and forecasts for units, prices, and sales of these products to each of the three main market segments: Cloud data centers, Enterprise and Telecom networks.

Price List for 100G Carrier-Grade Routers for Data Center

Discover top-tier, high-performance routers with 100Gbps throughput, MPLS support, and data center optimization. Click to explore verified suppliers and secure your network today. List of the top

Pluggable Optical Modules Market : Global Industry Analysis and ...

The pluggable optical modules market is projected to grow from USD 12.6 million in 2025 to USD 45.7 million by 2036 at 12.4% CAGR due to cloud data center port upgrades and staged

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WebProcure offers best-in-class functionality, reaching end-to-end from requester to procurement buyer to merchant, and all the way back! Designed specifically for the public sector.

The Top 25 Routers for Enterprise in 2026

List of the top Routers for Enterprise in 2026 including comparisons, user reviews, pricing, features, and more.

Commercial Optical Modules: Growth Drivers & 11.1% CAGR Outlook

The Commercial Grade Optical Modules market is set to reach \$15.44 billion by 2025, driven by an 11.1% CAGR. This growth stems from escalating data center and enterprise network

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Cisco vs Arista Switching: A Complete Technical Comparison for 2026 — Data Center, Campus, and Cloud Networking

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Commercial Optical Transceiver Market Trends & Forecast 2034

The Commercial Grade Optical Transceiver market is projected for 11.1% CAGR growth to 2034, driven by data center and enterprise network expansion. Analyze key segments and competitive strategies.

Hot-Pluggable Optical Modules Market: \$15B by 2025, 12% CAGR

The Hot-Pluggable Optical Modules market is projected to reach \$15 billion by 2025, expanding at 12% CAGR. Growth is driven by cloud services, data centers, and AI infrastructure.

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400G Digital Optical Transceiver Market: Share & Growth Drivers

The 400G Digital Optical Transceiver market is projected for significant expansion. Analyze growth catalysts, key players like Cisco and II-VI, and an 11.47% CAGR by 2025. Access market

Arista Platforms 400GbE

Arista 7388X5 and 7368X4 Series are 4RU high density 100G and 400G modular data center switches with wire speed layer 2 and layer 3 features, and advanced features for software driven cloud

Arista 5000 Series

Supporting 1/10/100GbE interfaces and flexible network modules while delivering from 5Gb to over 50Gb of bidirectional AES256 encrypted traffic with high VRF

Contact Us

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