

Price list for 1G optical routers for data center interconnection



AI Overview

1G enterprise-grade optical routers typically range from \$3,000 to \$15,000 for base units, with additional costs for SFP modules and line cards depending on vendor and specifications. Router Pricing Overview Enterprise-grade routers suitable for data center interconnection include models like the HPE HSR6800 series and Cisco ISR/ASR series. These routers offer high-density 1GbE ports, modular line cards, advanced routing, MPLS, IPv6 support, and carrier-grade high availability. Base prices for such routers generally start around \$3,000–\$5,000 for entry-level units and can exceed \$15,000 for fully loaded, high-performance configurations with multiple line cards and advanced features. Optical Transceiver Costs For 1G connectivity, routers require 1G SFP optical modules. Pricing varies based on brand, reach, and environmental specifications: Generic/compatible 1G SFPs: \$5–\$25 per unit OEM-branded 1G SFPs (Cisco, HPE, Juniper): \$60–\$120+ per unit, especially for industrial or extended temperature modules These modules are essential for short-reach enterprise links or legacy aggregation ports and are sold separately from the router hardware. Additional Cost Considerations Line cards and interface modules: Modular routers may require additional line cards for 1GbE ports, which can add \$500–\$2,000 per card depending on density and vendor. Licensing and software features: Advanced routing, security, and SD-WAN capabilities may require additional software licenses, often ranging from \$500 to several thousand dollars per router. Support and maintenance contracts: Enterprise routers typically include optional annual support contracts, which can be 10–20% of the hardware cost per year. Vendor Guidance Cisco: Offers ISR and ASR series routers with 1GbE SFP support. Pricing is available through Cisco partners or distributors. HPE: HSR6800 series provides high...

Article Content

Optical networks

The Nokia optical network portfolio leverages highly vertically integrated coherent optical engines to build an advanced-connectivity foundation for the AI

Price List for Low-Loss Active Optical Modules for Data Center ...

Price List for Low-Loss Active Optical Modules for Data Center Interconnection See practical price ranges for 1G-100G optical transceivers, DAC/AOC options, and why cost varies by speed, reach

High Speed Optical Modules: Market Disruption & 11.5% CAGR Growth

High Speed Optical Modules market sees significant expansion, driven by data center, cloud, and AI demand. Projecting 11.5% CAGR to 2034. Gain strategic market insights.

Cisco Optics | Transform Your Network

Pluggable optics enable high data-rate transmission between servers, switches, and routers. Get performance-leading optical transceivers for any network with Cisco Optics.

Ultimate Guide to 1G SFP Module Selection

Learn how to choose the right 1G SFP module for your network. Our guide covers compatibility, distance, fiber type, cost, and vendor selection for optimal performance.

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.

10G/1G Optics

Juniper's portfolio of qualified 10G and 1G optical transceivers are low-cost multipurpose modules available in footprint-optimized form factors for deployment across ACX, EX, MX, PTX, and QFX

400G Digital Optical Transceiver Market: 11.47% CAGR to \$11.14B

The 400G Digital Optical Transceiver market is projected to reach \$11.14B with 11.47% CAGR, driven by rising data center and cloud service demand. Analyze market dynamics.

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

OSFP Optical Module Growth: What Drives 25% CAGR to 2034?

The OSFP Optical Module market expands rapidly. Analyze key applications like Cloud Services & AI driving a 25% CAGR. Get data on market size, companies, and future trends.

FS | AI Infrastructure, Data Center, Enterprise Networking and

As a worldwide provider of high-performance network products and solutions, FS offers switches, optical transceivers, cabling systems, and management software for AI clusters, data centers, and

SFP Modules Dubai | IRIX Fiber Optic Transceivers & SFP+ UAE

Fiber optic modules UAE market serves diverse applications including data center server connectivity, campus building interconnection, storage area networks (SAN), metro area networks,

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.

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

Optical Transceiver Market Size, Share, Industry Report Industrial cloud deployments and edge data center growth supporting Industry 4.0 initiatives further drive adoption of high-speed 100G to 800G

Price List for 10G Enterprise-Grade Optical Routers for Data Center ...

The HPE HSR6800 Router Series is an advanced collection of high-performance routers designed for a variety of applications, such as data center interconnection and enterprise WAN core functionalities.

Price List for Low-Loss Optical Modules for Data Center Interconnection

See practical price ranges for 1G–100G optical transceivers, DAC/AOC options, and why cost varies by speed, reach and technology — buying tips included. From low data rates to 800GB, we have

Choosing the Right 1G SFP Transceivers for Your Network Upgrade

This article highlights eight essential factors to selecting 1G SFP modules covering product type, compatibility, smart features, product quality, price and budget, etc.

Price list for new optical line terminals for data center interconnection

Explore the comprehensive cost analysis of Optical Line Terminal (OLT) technology, including benefits, features, and long-term value for network operators and service providers.

Optical Transceiver Pricing: Cost Ranges by Speed and Type

See practical price ranges for 1G–100G optical transceivers, DAC/AOC options, and why cost varies by speed, reach and technology — buying tips included.

Data Center Network

Huawei OptiXtrans DC908 series is a leading intelligent Data Center Interconnect (DCI) product. It provides high scalability to meet the surging capacity demand in the AI era. One-click automatic

List of the Top 25 Routers for Enterprise in 2026

The HPE HSR6800 Router Series is an advanced collection of high-performance routers designed for a variety of applications, such as data center interconnection and enterprise WAN core functionalities.

OSFP Optical Transceiver Market: \$10.4B (2021), 15% CAGR Analysis

OSFP Optical Transceiver market valued at \$10.4B in 2021, projecting 15% CAGR. Growth is propelled by cloud services, data center expansion, and AI demand. Access key insights.

Price List for Low-Loss Active Optical Modules for Data Center ...

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