

Price List for Upgraded Optical Modules for Data Center Interconnection



Article Overview

Active optical modules for DCI range from \$1,400 for short-reach 400G SR8 modules to over \$130,000 for OEM coherent ZR+ modules, with third-party alternatives offering significant savings.

Short-Reach Modules

- 400G SR8 QSFP-DD: Designed for in-rack or cross-row connections, priced between \$1,400 and \$1,800 from reputable third-party vendors, making them the standard entry point for 400G adoption .
- Active Optical Cables (AOCs): Extend reach beyond DAC limits (typically 1-30 meters), slightly higher cost and power than passive DACs, ideal for medium intra-row distances .

Medium-Reach Modules

- DR4 and FR4 QSFP-DD: Bridge data center rows or short campus links. Third-party pricing is competitive due to a mature ecosystem, generally \$2,000-\$5,000 depending on vendor and volume .

Long-Reach and Coherent Modules

- LR4 QSFP-DD: OEM pricing can exceed \$10,000, used for longer intra-data center or metro links

Article Content

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

Search for and compare optical components from manufacturers around the world, or for custom jobs we'll match you with an

Data Center Network

So lution s Data Center Optical Interconnection Solution This solution builds ultra-broadband, simplified, and intelligent DCI to meet

Optical interconnection networks in data centers: recent trends and ...

Warehouse-scale data center operators need much-higher-bandwidth intra-data center networks (DCNs) to sustain the

StarryLink Optical Module

Huawei's StarryLink optical modules for data center networks offer seamless interconnection from GE to 800GE across all scenarios,

Optical interconnection solutions for 10G SFP+ and 40G QSFP+ optical ...

The interconnection between data center network elements and equipment mostly uses multi-mode fiber. Although

Data Center Interconnect Market Size & Share 2026

The global data center interconnect market was estimated at USD 11.8 billion in 2025. The market is expected to grow from USD

Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your

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

Price List for Low-Loss Optical Modules for Data Center Interconnection It includes historical shipment data and forecasts for units,

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

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

Find top fiber optic module data center solutions with low latency, high-density ports, and customizable options. Click to explore

Top Optical Transceiver Modules for Data Center Applications

Introduction: Why Optical Modules Are Critical to Data Center Infrastructure In today's cloud-first, AI-driven, and 5G

QSFP-DD Price Guide 2026: 400G/800G Costs & TCO Analysis

QSFP-DD price guide with 400G/800G module costs, OEM vs third-party comparison, volume discounts, and 3-year

Optical Module Procurement Guide

Based on the most recent data we assembled, we included manufacturer prices, cost, warranty period, and end-user

Development trend of optical

The update cycle for direct modulation and direct detection optical modules in data centers is about 3 to 4 years. After the

DCI Optical Modules | Delivering high bandwidth over distance

Marvell offers a portfolio of DCI modules designed to efficiently transmit data over regional fiber networks.

800G Data Center Interconnect Guide: DAC, AEC, AOC & Optical

DAC · ACC · AEC · AOC · Optical Transceivers — the complete engineer's framework for choosing the right

800G Client Optics in the Data Center

The next key development is 800G, and the industry is already gearing up to deploy this next generation of client optics in hyperscale

optical interconnect solution |FiberMall

The cloud computing business continues to infiltrate and drive the construction of cloud computing hyper-data centers. The cloud IT

Data Center Optical Module Market Research Report 2034

The Data Center Optical Module market was valued at \$16.9 billion in 2025 and is projected to reach \$77.6 billion by 2034, growing

(PDF) Optical interconnection networks for data centers

Furthermore, in this paper we discuss the rise of optical interconnection network for data centers that have been

800G Optical Module Cost Analysis | TCO Optimization Guide

Complete guide to 800G optical module costs and TCO optimization for AI data centers. Includes pricing analysis,

Price list for 1.6T optical line terminal for data center interconnection

Based on current market offerings and key performance indicators, several 1.6T OSFP modules stand out for B2B procurement.

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

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

CPO (Co-Packaged Optics): A Key Technology Path for Optical ...

Co-Packaged Optics (CPO) is emerging as a critical technological path for optical interconnects in AI data centers.

Opportunities in networking optics: Boosting supply for data centers

Opportunities in networking optics: Boosting supply for data centers Potential shortfalls in networking optics supply could hinder data

Selection Solution for 400G Optical Modules In Data Centers

This article is mainly about several options for 400G optical modules in data centers and the application scenarios.

2025 Global AI Data Center Interconnect Trends | TrendForce

Shipments of Optical Transceiver Modules in 2025 Have Shown Growth for High-Spec 800G and 1.6T Modules AI

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