

Price list for PAM4SFP optical modules for data center interconnection



Article Overview

PAM4 SFP optical modules for data center interconnect typically range from \$200 to \$1,200 per module, depending on speed, distance, and vendor.

Pricing Ranges

- 100G PAM4 SFP modules: Generally priced around \$200-\$400 for short-reach (up to 2 km) single-mode modules, such as QSFP-100G-FR 1310nm 2 km SMF modules, which are suitable for spine-leaf interconnects in data centers ().
- 400G PAM4 modules: Prices typically range from \$800-\$1,200 per module, depending on form factor (QSFP-DD or OSFP), lane configuration (8x50G PAM4 or 4x100G PAM4), and vendor ().
- 800G and 1.6T PAM4 modules: These are emerging technologies for hyperscale data centers, and pricing is higher due to lower production volumes and advanced DSP technology, often exceeding \$1,500-\$2,500 per module ().

Factors Affecting Cost

- Form Factor: QSFP-DD and OSFP modules are more expensive than standard SFP or QSFP28 due to higher density and advanced thermal management ().
- Distance and Fiber Type: Modules supporting longer distances (10 km or more) or single-mode fiber typically cost more than short-reach multimode modules ().
- Vendor and Compatibility: OEM modules from Cisco, Dell, or Huawei are generally more expensive than third-party compatible modules, which can reduce costs by 30-60% ()....

Article Content

Dec 10, 2025

800/400/200/100/40G Fiber Optical Modules

FS offers a growing portfolio of 800/400/200/100/40G optical transceiver modules and cables. The super-high density and backwards

Oct 30, 2025

PAM4 Optical DSPs | Enabling high-bandwidth optical ...

The Marvell® PAM4 optical DSP portfolio addresses the critical the need for high-bandwidth optical interconnects to power AI

Jan 20, 2026

LightCounting :: February 2025 PAM4 and Coherent DSPs (updated

It also includes a database with historical data for 2021-2024 and a 2025-2030 forecast for shipments, average selling prices and

Feb 08, 2026

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

Jul 20, 2026

Price list for PAM4 optical amplifiers for data center interconnection ...

The massive increase of optical pluggable interface deployments in the Data Center field drives the need for alternative cost-effective

Oct 10, 2025

Price list for SFPLPO optical modules for data center interconnection

Low-Power Optical Modules Supplier Guide: to Lower Data center Choosing cost-efficient optics is therefore not just tactical -- it's a

Mar 12, 2026

Silicon photonics-based 100 Gbit/s, PAM4, DWDM data center ...

In this paper we discuss the nature of and requirements for data center interconnects. We then demonstrate a switch

Mar 07, 2026

SFP Module Prices Comparison by Top 5 SFP Manufacturers 2023

This post offers quick access to the SFP module price list by researching top vendors. SFP modules have been in

May 10, 2026

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,

May 23, 2026

High-speed 400G OSFP SR4 Optical Transceiver Module for Data

Explore the 400G OSFP SR4 optical transceiver module, designed for high-speed data centers and enterprise networks. Features

Jul 27, 2026

Price list for PAM4DAC high-speed cables for data center interconnection

Price list for PAM4DAC high-speed cables for data center interconnection Direct Attach Copper (DAC) Low-Power, Low-Cost

Jul 22, 2026

Skyworks | Data Center

Ultra Series Oscillators Optical modules enable high-speed data path connections within the data center switching network, as well

Apr 17, 2026

800G Client Optics in the Data Center

When hyperscale data center operators start deploying a new generation of client optics, they immediately require massive volumes

May 01, 2026

Silicon Photonics Based PAM4, DWDM Datacenter Interconnects

In recent years, investments by cloud companies in mega data centers and associated network infrastructure has created a very

Feb 26, 2026

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

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

Mar 24, 2026

200G/400G/800G Optical Transceiver Modules | FiberMall

200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for data center

Jul 18, 2026

Data Center Optical Interconnection Solution

Price List for Low-Loss Active Optical Modules for Data Center Interconnection This article compares typical cost ranges across

Dec 02, 2025

QSFP56 Price Guide 2026: What You'll Actually Pay | FiberMall

What Drives QSFP56 Price QSFP56 modules all deliver 200G-class bandwidth, but the bill of materials changes

Jul 17, 2026

DCI Optical Modules | Delivering high bandwidth over distance

The Marvell data center interconnect portfolio includes COLORZ®, COLORZ® 400 and COLORZ® 800 modules in multiple form

Aug 02, 2025

Data Center Interconnect Solution

Explore Efficient Data Center Interconnect Solution from FS, learn how FS enhances connectivity for modern data centers and

Jun 24, 2026

Optical Transceiver Pricing: Cost Ranges by Speed and Type

This article compares typical cost ranges across speeds and transceiver types, explains why prices vary, and gives practical

Oct 23, 2025

Price list for SFP optical transmitters for data center interconnection

800Gbps data center interconnection employing silicon photonics For the first time, we have experimentally demonstrated an all

May 30, 2026

Price list for PAM4SFP optical modules for data center interconnection

Price list for PAM4SFP optical modules for data center interconnection See this week's flyer and coupons, sales, browse products by

Feb 25, 2026

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.

Oct 01, 2025

PAM4 DSPs

MaxLinear's highly integrated PAM4 DSPs offer superior link-margin performance and low power to enable 100G, 400G, 800G, and

Sep 10, 2025

Price list for EML low-power optical modules for data center ...

Ekinops optical transport solutions for data center interconnection optimize cost and performance to deploy as much capacity as

Apr 27, 2026

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

Feb 18, 2026

Transceiver Modules for Data Center Interconnect

Learn how and where to implement Cisco Optics solutions to gain the reach you need for connecting data centers across your metro

Dec 01, 2025

Price list for PAM4SFP optical modules for data center interconnection

Explore the 400G OSFP SR4 optical transceiver module, designed for high-speed data centers and enterprise networks. Features

Apr 04, 2026

Optical Transceiver Module Wholesale,10g/25g/40g/100g SFP+ Optical ...

Fiber optic module manufacturer,ETU-Link supply full model optical transceivers,including standard 8g/10g/25g/40g/100g sfp+ optical

May 12, 2026

Transceivers in data center interconnect

In 2022, the demand for cloud services will explode, and the capacity, cost of data center interconnection will become

May 13, 2026

800GBASE OSFP/QSFP-DD800 Optics Transceivers Module | FiberMall

The goal is to define pluggable low-cost optical modules for data center applications with short-range 800G transmission, including

Jul 18, 2026

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

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.greatpremiersolutions.co.za>

Email: sales@greatpremiersolutions.co.za

Phone: +27 82 914 3675

Address: Unit 5, Silicon Heights, 22 Electron Avenue, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

