

CIF price 800G optical module 400G



Overview

800G OSFP-DR8: \$1,100-1,400 (volume pricing for 1000+ units) 800G QSFP-DD-DR8: \$1,000-1,300 (volume pricing) 800G OSFP-FR4: \$1,500-1,900 (longer reach, more complex optics) 800G LPO (Linear Pluggable Optics): \$700-900 (no DSP, lower cost) 400G QSFP-DD: 800G OSFP-DR8: \$1,100-1,400 (volume pricing for 1000+ units) 800G QSFP-DD-DR8: \$1,000-1,300 (volume pricing) 800G OSFP-FR4: \$1,500-1,900 (longer reach, more complex optics) 800G LPO (Linear Pluggable Optics): \$700-900 (no DSP, lower cost) 400G QSFP-DD: It breaks down the current costs for 400G and 800G modules, provides an objective comparison between OEM and third-party products, and reveals the volume discount tiers that most vendors keep secret. Finally, it presents a Total Cost of Ownership (TCO) framework to help you reframe optics from a. In reality, the physical layer physics of 800G and 1. As we push PAM4 signaling to its absolute limits, the unit cost of a transceiver is no longer the primary driver of Total Cost of Ownership (TCO). Technically speaking. By 2025, operators moved past 400G, with 800G becoming the mainstream, and early pilots pushing into 1. In early 2024, primary North American markets showed only 2. The super-high density and backwards compatibility can enable high bandwidth and high speed links for data center and cloud networks. What are Optical Modules?

An optical module (or optical transceiver) is a pluggable device inserted.



Article Content

Dec 08, 2025

Differences and Trends in 100G, 400G, and 800G Optical Transceivers

Differences Between 100G, 400G, and 800G Optical Transceivers Transmission Distance: 100G optical modules typically support a transmission distance of up to 100m in multi

May 27, 2026

Key Differences Of 100G, 400G, And 800G Explained

optical modules with different rates have been launched one after another, among which 100G, 400G and 800G optical modules have become the

Jun 12, 2026

400G vs 800G Optical Modules: Differences, Use Cases, and

Choosing between 400G and 800G optical modules depends on your workloads, scale, and budget. This guide breaks down the differences, use cases, and deployment advice in simple but

Sep 07, 2025

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, cost comparison, vendor strategies, and ROI calculations for informed

Dec 14, 2025

400G Optical Transceiver: Cisco 400G Optics, Pricing & Applications

In this article, the 400G optical transceiver is thoroughly explained in terms of definition, major types, application scenarios, price and cost, as well as typical product models such as QDD

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The Evolution of Optical Modules: 400G → 800G → 1.6T - A Strategic ...

Discover the evolution from 400G to 800G and 1.6T optical modules. Learn key technologies, CPO vs pluggable, and upgrade strategies for future-ready data centers.

Jan 29, 2026

Ethernet Transceiver Modules and Cables

FS offers a growing portfolio of 200/400/800G optical transceiver modules and cables. The super-high density and backwards compatibility can enable high bandwidth and high speed links for data center

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Signal AI: 400G and 800G Optical Module Shipments

The demand for high-speed datacom optical modules has surged, with shipments of 400G and 800G units exceeding 20 million in 2024, totaling over \$9

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Optical Transceiver: 400G, 800G, 1.6T and the Leap to

Visit FICG Optical Transceivers to explore our full portfolio of 400G, 800G, 1.6T, and 3.2T solutions. As a leading electronics manufacturing service

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

This guide delivers clear, accurate pricing data. It breaks down the current costs for 400G and 800G modules, provides an objective comparison between OEM and third-party products, and

Oct 16, 2025

Eoptolink

Eoptolink - market leader in high speed optical transceivers: 800G QSFP-DD800 & OSFP, 400G QSFP56-DD, QSFP112, OSFP, 200G QSFP56 and QSFP-DD, 100G single lambda QSFP28 and

Jan 10, 2026

Comprehensive Guide to 400G/800G QSFP-DD Optical

Applications of 400G/800G QSFP-DD Optical Modules The 400G/800G QSFP-DD optical modules leverage a double-density design to

Mar 29, 2026

Powering the Next Data Race: How 800G & 1.6T Optical

Research B further reports that the market for high-end data center optical modules will exceed \$9 billion USD in 2024, with 400G and 800G module shipments

Apr 25, 2026

\$MXL is up 415% in one month and 20% today. The market is re-pricing ...

The market is re-pricing the scale-up play. Every optical transceiver in every AI datacenter – every 800G module connecting GPU to GPU, rack to rack, building to building – needs a DSP. A

Mar 15, 2026

Optical Transceiver Market Price Trends 2026: TCO & Risks

An 800G-DR8 module might cost significantly more than two 400G-DR4 modules today, but the math changes when evaluated over a 4-year lifecycle in a power-constrained facility.

May 24, 2026

400G and 800G Optical Modules: Advancements and

Explore 400G and 800G optical modules with EML, VCSEL, and Silicon Photonics for data centers.

Sep 15, 2025

400G vs 800G Optical Module: Which is Right for Your Network?

A deep technical comparison of 400G vs 800G optical module technology. Understand the key differences, benefits, and applications to optimize your next-generation data center network.

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Technology from 400G to 800G to 1.6T Transceivers

This paper describes the technical route of optical communication from 400G to 800G to 1.6T optical modules and compares pluggable and CPO.

Mar 17, 2026

800G OSFP Optical Transceiver Modules

Explore QSFPTEK 800G OSFP optics price lists and datasheets. The 800G optics provide ultra low latency, low power, and high reliability optical interconnect core components for data centers, AI

Jul 06, 2025

Arista Optics Modules and Cables

Overview Arista's Optical Modules and Cable portfolio offer a wide variety of high-density and low-power 800G (dual 400G), 400G, 200G, 100G, 50G, 40G, 25G, 10G, 1G, and 100M Ethernet connectivity

Apr 28, 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 interconnect applications - FiberMall

Aug 29, 2025

POET surges 28% after confirming Marvell-linked order

The deal is part of Marvell's photonic interconnect ecosystem via Celestial AI and involves 800G and higher-speed optical modules for AI data centers.

Aug 27, 2025

400G Optical Transceiver: Cisco 400G Optics, Pricing & Applications

Explore the 400G optical transceiver technology, pricing, Cisco optics, and application scenarios. Learn about QSFP-DD, DR4, and more for next-gen network solutions.

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Everything You Need to Know About 800G/1.6T Optical Transceiver

The cost of an 800G module is approximately 2-3 times that of a 400G module, but prices are gradually decreasing through photonic integration and mass production optimization.

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800G Optical Modules Explained: Standards, Types

Discover everything about 800G optical modules—standards, packaging, types & applications. Learn how they power AI, HPC & next-gen data

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Breakdown of the cost structure of a 400 Gb/s pluggable

Download scientific diagram | Breakdown of the cost structure of a 400 Gb/s pluggable transceiver based on data from from publication: Co-packaged

Jul 25, 2025

Corning NVIDIA Partnership Drives 400G 800G Optical Module Demand

Following the strategic partnership between Corning and NVIDIA, AI-driven optical connectivity demand is exploding globally. Datacenters are accelerating the upgrade to 400G / 800G optical modules ...

Apr 22, 2026

Optical Transceiver Market Size, Share, Industry Report

Co-packaged optics development initiatives. Challenges Thermal management complexity in dense racks. High 800G module power consumption. Opportunity

Contact Us

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