800g Optical Module Price Quote



Overview

The 800G transceiver modules are ideal choice for AI data centers, enterprise networks and service provider networks.

Key Takeaways

The current price of 800G optical modules ranges from approximately $700 to $1,900 depending on type, vendor, and volume. Price Ranges by Module Type800G OSFP-DR8: $1,100–$1,400 for volume orders of 1,000+ units, suitable for short-reach data center interconnects. 800G QSFP-DD-DR8: $1,000–$1,300 for large-volume purchases, commonly used in high-density rack deployments.

800G OSFP-FR4: $1,500–$1,900, designed for longer reach and more complex optics. 800G LPO (Linear Pluggable Optics): $700–$900, lower-cost option without DSP.

Factors Affecting Pricing

Vendor Tier: OEM modules (e.g., Cisco, Arista) typically command a 30–50% premium over third-party compatible modules. Volume Discounts: Orders exceeding 1,000 units may receive 10–20% discounts, while orders over 5,000 units can see 20–30% reductions. Technology Maturity: Early-generation modules cost 40–60% more than mature products.

Customization: Special wavelengths, extended temperature ranges, or additional testing can add 15–30% to the base price. Market Dynamics: Supply constraints or high demand can temporarily increase prices by 20–40%.



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Market Trends

The 800G optical module market is experiencing rapid growth due to hyperscale data center expansion, AI workloads, and 5G network deployment. Shipment volumes are projected to increase significantly, with 800G modules being the fastest-growing segment in data center optics. While prices are expected to gradually decline as silicon photonics and manufacturing scale improve, current costs remain influenced by thermal management requirements and high-density deployment challenges.

In summary, for standard 800G modules in 2026, expect prices between $700 and $1,900, with the exact cost depending on module type, vendor, order volume, and any customization or supply constraints.

Article Content

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

800G OSFP/QSFP-DD | Transceiver Modules

The 800G transceiver modules are ideal choice for AI data centers, enterprise networks and service provider networks. Click to get your 800G transceiver

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

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,

800G Transceiver Modules

The Coherent 800G Modules are powered by a 6nm DSP and consume approximately 17W for 800G optics. The transceivers ensure broad compatibility with options for MPO16 and dual

InfiniBand 800G/400G NDR | InfiniBand Optical Transceivers and

FS InfiniBand 800G/400G NDR optical modules and cables solution used for high-bandwidth data transmission, data center and AI computing applications. Click to get your 800G/400G NDR optical

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800G-FR4 – OSFP224 2km Transceiver

The STC-800G-FR4 OSFP224 is a high-bandwidth optical transceiver designed for 800Gbps transmission over single-mode fiber (SMF) for distances up to 2 kilometers.

800G OSFP 2xDR4/DR8, 1310nm, 500m, DDM, CDR,

It delivers 800Gbps of aggregate bandwidth through 8 parallel single-mode fiber channels, each operating at 100Gbps using 100G-PAM4 modulation. The

Amazon : YTLINK 800G OSFP 2FR4 Optical Transceiver Module ...

Would you like to tell us about a lower price? Built-in Broadcom 7nm DSP chip, the maximum power consumption is 16.5W.

AI Optics Stocks Surge: LITE, AAOI Lead 2026 Boom

AI optical stocks like Lumentum, Applied Optoelectronics, and Coherent are outperforming the Nasdaq by up to 20x. Explore how AI data center demand drives massive gains, key risks, and how traders

Global AI Optical Transceiver Market to Reach US$26 Billion in 2026 ...

TrendForce''s latest research indicates that the global market for AI-focused optical transceivers has entered a phase of rapid growth, with market size projected to expand from

Optical Transceiver Manufacturer | 1G-800G Optics

Source premium optical transceivers (1G to 800G) direct from our Wuhan factories. 100% brand compatible, OEM custom options, and rigorous quality testing.

BRKOPT-2699

800G Optical Modules: QSFP-DD or OSFP 51.2T, 64 port, 800G in 2RU Stacked cages (two modules) Both above and below the linecard Showing two modules inserted into upper and lower ports in a

Optical Transceiver Market Size, Growth Drivers

Passive optical network modules remain essential in broadband rollouts, particularly where regulators mandate fiber-to-the-home coverage.

Arista LPO-800G-2DR4 Compatible 800G OSFP 2xDR4/DR8 Linear

Arista LPO-800G-2DR4 compatible OSFP-800LPO-2DR4 is an 800G Linear Pluggable Optics (LPO) transceiver with LPO technology, optimized for Arista devices, reducing power consumption and

NVIDIA/Mellanox MMS4A00-XM-FLT/MMS4C10-XM

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Yes. The OSFP-800G-2DR4FH is suitable for CX8 NIC loopback testing. It features a flat-top OSFP form factor designed for NIC applications.

Optical Module & Fiber Optic SFP Module Factory

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Optical Transceiver Market Size, Share, Industry Report – 2035

With strong in-house capabilities in optical chip design and packaging, the company delivers 100G to 800G modules and coherent solutions tailored for 5G transport networks and large-scale cloud

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Technical inquiry: https://bagyou.es/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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