

Price of an 800g high-end optical module



Summary of Content

The price of an 800G high-end optical module ranges from approximately \$1,000 to \$1,900 depending on type, vendor, and volume.

Typical Pricing by Module Type

- 800G OSFP-DR8: \$1,100-\$1,400 for volume orders of 1,000+ units, suitable for short-reach data center links .
- 800G QSFP-DD-DR8: \$1,000-\$1,300 for large-volume purchases, commonly used in high-density switching environments .
- 800G OSFP-FR4: \$1,500-\$1,900, designed for longer-reach applications with more complex optics .
- 800G LPO (Linear Pluggable Optics): \$700-\$900, lower-cost option without DSP .

Factors Affecting Price

- Vendor Tier: OEM modules (e.g., Cisco, Arista) typically cost 30-50% more than third-party compatible modules .
- Volume Discounts: Orders over 1,000 units may receive 10-20% off, while orders over 5,000 units can get 20-30% off .
- Technology Maturity: Early-generation modules can be 40-60% more expensive than mature products .
- Customization: Special wavelengths, extended temperature ranges, or additional testing can add 15-30% to the base price .
- Market Dynamics: Supply constraints can temporarily increase prices by 20-40% .

Article Content

800G OSFP DR8 Transceiver | 800G DR8 Optical Module

High-speed 800G OSFP DR8 transceiver for next-gen data centers. Supports OSFP and QSFP-DD DR8

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

Over 20 Million 400G & 800G Datacom Optical Module Shipments

Additional 3Q24 Optical Component Report Findings: The high-speed datacom optical market size is expected to

Signal AI: 400G and 800G Optical Module Shipments Quadruple

Signal AI: 400G and 800G Optical Module Shipments Quadruple The demand for high-speed datacom optical modules

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

800G Optical Module Market Research Report 2034

800G optical modules deliver twice the bandwidth of 400G modules at a cost premium of approximately 60-80% per

The Technology and Application Prospects Of 800G Optical Modules

The 4x200Gbit/s architecture is considered the ideal choice for 800G optical modules and will also serve as the

Global 800G Optical Module Market Research Report 2025 (Status

It offers a high-level view of the current state of the 800G Optical Module Market and its likely evolution in the short to

800G OSFP/QSFP-DD Optical Transceivers for InfiniBand & RoCE

NADDOD 800G modules are crucial components for the next generation of high-performance data center networks. They feature

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,

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

Research B further reports that the market for high-end data center optical modules will exceed \$9 billion USD in

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

Additionally, the current power consumption and cost of the 1.6T optical module are quite high, and there is still a long

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,

China 800G Optical Module Manufacturers, Suppliers, Factory ...

HTF is one of the most professional 800g optical module manufacturers and suppliers in China, providing high quality products for

LightCounting: The demand for 400G/800G optical modules exceeds

Currently, the demand for 4x100G and 8x100G optical modules exceeds the supply by 100%, and many customers

The Future of 800G Optical Modules: Market Forecast and Key

The 800Gb and beyond connectivity conundrum The global demand for high-speed optical modules is accelerating,

Understanding 800G Optical Modules: Types, Applications, and

Conclusion As demand for higher bandwidth and faster data transmission continues to increase, 800G optical modules offer a future

800G Optical Modules Drive Market Recovery in 2025

800G modules drive optical market recovery in Q2 2025, with initial 1.6T shipments. This article highlights key trends

InnoLight 800G DR8+ Universal OSFP112 Transceiver

Innolight 800G OSFP112 DR8+ Universal Transceiver, PAM4, 1310nm, MTP/MPO-12, Singlemode, 2km. This cutting-edge product

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

800G OSFP

Display: 24 per page Sort by: Featured View opticswave 800GBASE-XDR8 OSFP PAM4 1310nm 2km DOM MTP/MPO-16 SMF

800G Optical Transceivers Overview: Everything You Need to Know

As the manufacturing process improves, the price of 800G optical modules will go down over time, making them a

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

400G and 800G modules are typically in form factors like QSFP-DD and OSFP, which can fit many high-speed lanes

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,

800G Optical Transceivers

Shop 800G optical transceivers including QSFP-DD and OSFP modules. Multi-vendor compatible, high-density solutions for data

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

800G Transceiver Modules

The Coherent 800G Modules are powered by a 6nm DSP and consume approximately 17W for 800G optics. The

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