

How much does one 800g optical module cost



Summary of Content

The current price of 800G optical modules ranges from approximately \$700 to \$1,900 depending on type, vendor, and volume.

Price Ranges by Module Type

- 800G 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 .

Article Content

Juniper 800G Optical Transceivers and Cables Guide

Use this guide to learn about the Juniper Networks® 800G optical transceivers and cables, their specifications, and

Market Insights: 800G & 1.6T Silicon Photonics Optical Modules

What chips are included in 800G silicon photonics modules? What is the difference between 1.6T and 800G silicon

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 applications with superior

Cisco OSFP 800G Transceiver Modules Data Sheet

The OSFP 800G transceiver modules are Cisco's new generation of pluggable transceiver modules based on the

Technology from 400G to 800G to 1.6T Transceivers | FiberMall

Why Choose 800G Optics? 1. Cost Reduction: 800G optics can save costs at the optical and system level, such as

Why 1.6T Optical Transceivers Overtake 800G in 2026 AI Clusters?

How Does Total Cost of Ownership Compare Between 800G and 1.6T Transceivers for Enterprise AI Infrastructure? 1.6T

Market Insights: 800G & 1.6T Silicon Photonics Optical Modules

Traditional modules require additional lenses and mirrors to combine the eight laser beams into one before entering

800G OSFP

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

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

The 800G MSA aims to develop low-cost 8x100G QSFP-DD or OSFP optical modules for SR applications, ensuring at least the most

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

Pricing for 800G QSFP-DD modules is still finding its equilibrium. While reliable third-party options exist, the

800G Optical Module Market Research Report 2034

Silicon photonics integration, co-packaged optics development, and advances in indium phosphide (InP) laser technology are further

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

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

The rates of optical modules are different, such as 100G, 400G, and 800G. These numbers represent the data

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

400G, 800G, and Terabit Pluggable Optics:

Equipment and electrical serdes can evolve through 3 generations (25 Gb/s, 50 Gb/s or 100 Gb/s) without changing the optical

FS Community

We would like to show you a description here but the site won't allow us.

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

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

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,

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 way to go

800G Optical Transceivers

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

Contact Us

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

Website: <https://benniedesignstudio.co.za>

Email: sales@benniedesignstudio.co.za

Phone: +27 82 391 4765

Address: The Towers, 1 St Georges Mall, Cape Town, 8001, South Africa

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

