

Optical module bandwidth price



Article Overview

Optical module prices vary widely by bandwidth, form factor, and vendor, ranging from a few dollars for 1G SFPs to several hundred or even thousands for 100G+ modules.

Pricing Overview by Bandwidth

- 1G SFP Modules: Generic or compatible modules typically cost \$5-\$25, while OEM-branded modules can range from \$60-\$120+ depending on industrial specifications or extended temperature ratings .
- 10G SFP+ Modules: Compatible 10G SR modules often sell for \$20-\$100, whereas OEM long-reach or DFB modules can reach \$200-\$300 .
- 25G SFP28 Modules: Low-cost compatible short-reach modules start around \$16-\$80, while OEM single-mode or specialized parts can cost \$200-\$900 .
- 40G QSFP+ Modules: Compatible SR4 modules are priced \$40-\$150, with branded LR4, WDM, or vendor-certified modules ranging \$300-\$1,000+ .
- 100G QSFP28 Modules: Short-reach compatible modules can be as low as \$35-\$280, while OEM LR4 or DWDM modules may cost \$780-\$1,000+ per unit . Cost-per-Gbps for common 100G SR4 modules can be approximately \$0.35 per Gbps, making them highly cost-efficient .

Factors Affecting Price

- Vendor and Branding: OEM modules carry higher prices due to warranty, platform coding, and support, while third-party compatible modules offer significant savings .
- Reach and Optical Type: Long-reach (LR, ER, ZR) and DWDM/coherent modules are more expensive due to complex optical components

Article Content

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Comprehensive Guide to Optical Transceiver Classifications and

Optical modules can be classified by data rate, form factor, transmission distance, and fiber type. Proper selection

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Optical module

An optical module is a typically hot-pluggable optical transceiver used in high-bandwidth data communications applications. Optical

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50/25/10/1G Transceiver Modules | Optical Transceivers

FS provides 50/25/10/1G transceivers modules in SFP/SFP28/SFP56/QSFP28 form factor, supporting

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Explore the evolution of optical modules in speed and form factors from 400G to 1.6T, stressing key enhancement

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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

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Optical Transceiver Pricing: Cost Ranges by Speed and Type

See practical price ranges for 1G–100G optical transceivers, DAC/AOC options, and why cost varies by speed, reach and technology

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However, price sensitivity in developing markets often delays the adoption of premium optical solutions, and trade restrictions

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Charting the Path Toward 1.6T and 3.2T Optical Module Solutions

The pursuit of tighter integration between optics and electronic chips in this context, including ASICs, is paving the way for a future

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Cisco Digital CFP2-DCO Coherent Optical Module Data Sheet

Cisco offers a comprehensive range of pluggable optical modules in the Cisco ONS pluggables portfolio. The wide

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40G QSFP+ Optical Transceivers Complete Guide | Fibrecross

How 40G QSFP+ optical transceivers boost performance in data centers and telecom networks. Learn about types, use cases, and

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Optical Transceiver Pricing: Cost Ranges by Speed and

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

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QSFP28 Price Guide 2026: 100G Transceiver Costs & TCO

Real QSFP28 pricing for 2026: SR4, LR4, CWDM4, and single-lambda costs. Compare OEM vs third-party, volume

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Everything You Need to Know About Optical Modules

Optical transceivers are the primary components of optical modules responsible for transmitting and receiving optical

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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

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GlobalFoundries accelerates adoption of co-packaged optics for

SCALE CPO solution is the industry's first OCI MSA capable platform and built with GF's proven silicon photonics

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Optical Modules Market Size, Growth Trends & Forecast

Optical Modules Market size was valued at USD 3.5 billion in 2025 & is estimated to reach USD 8.2 billion by 2034,

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Optical Module Market Size, Competitors & Forecast to 2032

The Optical Module Market, valued at USD 30.01B in 2026, is projected to reach USD 66.94B by 2032, growing at a 14.1% CAGR.

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Analyze The Cost Structure Of Optical Transceivers: Understand The ...

Summary: This article analyzes the cost components of optical transceivers, including material costs, manufacturing costs, R& D

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Optical Transceiver Market Size, Share, Analysis 2030

The global Optical Transceiver Market size in terms of revenue was estimated to be worth \$13.6 billion in 2024 and is poised to reach

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The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics

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OPTICAL MODULE Price

512 MB ECC Memory for Optical Services Modules REFURBISHED. Optical Protection Switching Module.

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Cost of optical module electronic chips | Weyland

With continuously growing demand for bandwidth, optical modules are evolving from 100G and 200G to 400G, 800G,

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Optical Module Procurement Guide

Optical Module Procurement guide to pricing trends, OEM vs aftermarket insights, and strategic buying tactics to

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Optics and Transceivers | Fiber Optical Transceivers

FS offers a growing portfolio of optical transceivers, with speed range from 100M, 1G, 10G, 25G, 40G, 50G, 100G, 200G, 400G to

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Multi-mode optical fiber

Multi-mode optical fiber is a type of optical fiber mostly used for communication over short distances, such as within a building or on a

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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

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Single Mode vs. Multimode Fiber: Core Differences and Selection Guide

How do you choose between single mode and multimode fiber? Compare their differences in core size, light source,

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Optical Transceiver Market Size, Share, Industry Report – 2035

Optical Transceiver Market Size The global optical transceiver market was valued at USD 13.4 billion in 2025. The market is

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Cost structure of optical module chips | Weyland

Understanding the cost structure of optical module chips is essential for developers, investors, and network operators,

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Optical Transceiver Modules Prices & Specifications

Optical Transceiver Modules/SFP, also called fiber optic transceiver or optical transceiver, is a typically hot

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SFP Module Price

Find competitive sfp module prices for various optical transceivers. Our range includes 1.25G, 10G, and 25G modules

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DCI Optical Modules | Delivering high bandwidth over distance

Explore DCI Modules Marvell offers a portfolio of DCI modules designed to efficiently transmit data over regional fiber networks.

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What factors influence 400G optical transceiver modules price?

What factors influence 400G optical transceiver modules price? In the age of hyper-scaled cloud computing, edge-computing

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