

Price range of optical modules for communication equipment



Article Overview

Optical module prices currently range from as low as \$5 for basic compatible 1G SFPs to \$200 or more for high-speed OEM modules, with average market prices around \$150-200 per unit.

Price Ranges by Module Type and Speed

- **1G SFP Modules:** Compatible or generic modules typically cost \$5-\$25, while OEM-branded or industrial-grade modules can reach \$60-\$120+ per unit .
- **10G SFP+ Modules:** Compatible 10G SR modules are often priced in the tens of dollars, whereas OEM long-reach (LR/ER) modules can cost hundreds of dollars .
- **25G SFP28, 40G QSFP/QSFP+, 100G CFP/QSFP28 Modules:** Prices increase with speed and reach, with high-performance modules for data centers and AI workloads averaging \$150-\$200 per unit, and specialized 400G/800G modules commanding higher prices .
- **High-Speed Data Center Modules (400G/800G/1.6T):** These are premium modules used in hyperscale data centers, with prices significantly above standard 100G optics due to advanced silicon photonics and high-density design .

Factors Affecting Pricing

- **Brand and OEM vs Third-Party:** OEM-branded modules (Cisco, HPE, Juniper) are priced higher than compatible third-party units .
- **Reach and Specifications:** Long-reach, industrial temperature, or special-spec modules cost more than standard short-reach modules

Article Content

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Optical Module Package Market 2025

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

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Optical Communication Equipment Market Research Report 2034

Optical Communication Equipment market was valued at \$25.2 billion in 2025, projected to reach \$55.5 billion by 2034, growing at

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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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Understanding Optical Modules: A Comprehensive Guide

Optical Module Basics: Understanding the Core ConceptsOptical modules are compact devices that convert electrical

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SFP Module Price: Strategic Cost Analysis and TCO Factors

The SFP module price generally ranges from \$15 to \$30 for standard 1G and 10G third-party transceivers. In contrast, Original

Dec 11, 2025

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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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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Optical Modules Market Size, Growth Trends & Forecast

Situated within the broader optical communications industry, the Optical Modules Market is a vital subset of the

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How to Choose Optical Modules Correctly?

What is an Optical Modules? Optical modules are pivotal components in optical fiber communication systems,

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Understanding Optical Modules: Types and Troubleshooting Guide

What is an Optical Module? The Ultimate Guide to Principles, Types, and Troubleshooting Working Principle of Optical Modules

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Communications

Communications - Optical Modules Optical modules are the small interfaces that connect the fiber to the traditional copper network,

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Cost of optical module electronic chips | Weyland

In low-speed optical modules, their cost share is relatively low. However, in 400G, 800G, and future 1.6T optical

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Optical Communication and Networking Equipment Market Growth

It is the largest consumer of market. Also, the optical communication and networking equipment industry growth in the region can be

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Optical Module: A Comprehensive Analysis from Source to Terminal

Optical modules are key transmission components in communication networks, and their applications, technologies,

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China Optical Modules, Optical Modules Wholesale, Manufacturers,

What should I look for in a communication module? The Optical Modules is a key item within our extensive Communication Module

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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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Optical Modules Market Research Report 2034

Optical Modules Market Outlook 2025-2034 The global optical modules market was valued at \$14.8 billion in 2025 and is projected to

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Global Optical Modules Sales Market Report, Competitive Analysis

In 2024, global sales of optical modules were estimated at 88-117 million units, with an average price range of

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Optical Communication And Networking Equipment Market Report 2026

Optical communication and networking equipment refers to a range of devices and components used to transmit, receive, amplify,

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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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Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your

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Optical Module & Fiber Optic SFP Module Factory Manufacturer

We're well-known as one of the leading optical modules manufacturers and suppliers in China. If you're going to wholesale bulk high

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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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What is Optical Link Module?

Explore the world of optical link modules, essential components in optical fiber communication. Learn about the different types of

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What factors influence 400G optical transceiver modules price?

Discover the key factors that drive 400G optical transceiver pricing—from form-factor and component costs to market dynamics and

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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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Optical Module Price, 2026 Optical Module Price Manufacturers ...

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