

Optical Module Optical Communication Price



Article Overview

Optical module prices vary widely, ranging from tens of dollars for basic SFP modules to several thousand dollars for high-speed 400G/800G transceivers, depending on type, speed, and manufacturer.

Price Ranges by Module Type

- SFP/SFP+ Modules (1G-10G): Typically priced between \$30-\$200 per unit, depending on distance and vendor specifications .
- QSFP/QSFP+ Modules (40G-100G): Prices generally range from \$200-\$1,000, with higher-end QSFP28 or QSFP112 modules for 100G+ applications costing more .
- CFP/CFP2/CFP4 Modules (100G-400G): These high-speed modules can cost \$1,000-\$5,000 or more, especially for long-reach or specialized optical transceivers .
- 800G/400G OSFP or QSFP-DD Modules: Advanced modules for AI and hyperscale data centers, such as 800G OSFP SR8, can exceed \$5,000 per unit, reflecting their high-performance components and complex design .

Factors Affecting Prices

- Data Rate and Form Factor: Higher-speed modules (400G, 800G) and compact form factors (OSFP, QSFP-DD) are more expensive due to advanced DSP chips and VCSEL/PD arrays .
- Distance and Fiber Type: Long-reach single-mode modules cost more than short-reach multimode modules. OM3/OM4 compatibility and FEC support also influence pricing

Article Content

Optical Module Package Market 2025

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

Why China's optical communications sector is the latest AI boom ...

Optical modules, also known as optical transceivers, convert electrical signals to optical signals, and vice versa, for high-speed data

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

Optical Module Chip Market 2025

The optical module chip market exhibits a fragmented yet competitive structure with global technology providers, semiconductor

The Evolution of Optical Modules: Powering the Future

Data centers, the beating hearts of this digital revolution, are tasked with processing and

SFP Modules

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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

OPTICAL MODULE Price

256 MB ECC Memory for Optical Services Modules REFURBISHED. 512 MB ECC Memory for Optical Services Modules

Designing a Module for High-Speed Optical Communication

This article explores MPS optical module solutions to meet the design requirements of high-speed optical communication as well as

How to Choose Optical Modules Correctly?

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

Fiber Optic Transceiver Modules | Optoelectronics

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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

optical module Price

Comparing optical module prices. You can easily wholesale quality optical module at wholesale prices on Made-in-China .

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

What is Optical Link Module?

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

Optical Transceiver Pricing: Cost Ranges by Speed and Type

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

Optical module

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

Communications

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

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

Global Coherent Optical Module Market Size, Growth Trends, Industry ...

The coherent optical module market represents a critical segment within the broader optical communications

Everything You Need to Know About Optical Modules

Optical modules are electronic devices used in communication systems to transmit optical

Optical Modules Market Research Report 2034

These structural tailwinds, combined with ongoing cost reductions enabled by silicon photonics integration and wafer-scale

Streamline Production with Efficient China Wholesale Optical Module ...

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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

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

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

Enhance your Communication Module setup with our premium Optical Module Price. When seeking a communication module,

Optical Transceiver Modules Prices & Specifications

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

Optical Module Industry Statistics 2026

The optical module industry is facing increasing pressure to reduce its carbon footprint, with 40% of manufacturers

SFP Module Price

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

Contact Us

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