

Price and Model of Optical Module



Equipped with a removable **Mounting Plate** inside the enclosure, enabling customized drilling and secure component mounting.

AI Overview

Optical module prices vary widely depending on speed, form factor, and technology, ranging from tens of dollars for standard SFP modules to several thousand dollars for high-speed 400G-800G modules.

Price Ranges by Module Type

- SFP (Small Form-factor Pluggable) Modules: Typically used for 1G-10G connections, prices range from \$30 to \$200 depending on distance and vendor quality .
- SFP+ and QSFP+ Modules: For 10G-40G speeds, prices generally range from \$100 to \$500, with longer-reach or multi-mode modules at the higher end .
- QSFP28 / OSFP Modules (100G): These modules, supporting 100G Ethernet, usually cost \$400-\$1,200, depending on whether they are SR (short reach), LR (long reach), or AOC (active optical cable) types .
- 400G QSFP-DD / OSFP Modules: High-speed modules for data centers and AI workloads can range from \$2,000 to \$5,000, influenced by power consumption, connector type, and vendor .
- 800G OSFP / QSFP-DD Modules: Cutting-edge modules for hyperscale networks and AI clusters are priced at \$5,000+, reflecting advanced DSP chips, VCSEL/PD solutions, and OM4/OM5 fiber compatibility .

Factors Affecting Prices

- Raw Materials: Lasers, silicon chips, and specialty semiconductors contribute significantly to cost .

Article Content

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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How to Choose Optical Modules Correctly?

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

Optical module

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

Fiber Optic Transceiver Modules | Optoelectronics | DigiKey

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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 Components and Modules

Everything you need to build an optical network from end-to-end. Thin-film filter and PLC based AWG for multiplexing, a full suite of

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

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

Global Optical Modules Sales Market Report, Competitive Analysis

An optical module (or optical transceiver) is a photoelectric conversion and signal conditioning unit integrated in a

SFP Module Price: Strategic Cost Analysis and TCO Factors

□ What Is the Real Price Range of SFP Modules? The real price range of SFP modules spans from roughly \$10 for basic 1G third

QSFP28 Price Guide 2026: 100G Transceiver Costs & TCO

In many cases, the biggest differences are not optical performance, but branding, EEPROM coding, warranty

A Complete Guide to New Optical Module Prices: Specifications,

Different types of optical modules are engineered to meet specific performance needs across data centers, enterprise networks, and

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

Optical Module Market Size, Competitors & Forecast to 2032

Conclusion: Success Factors in an Evolving Optical Module Landscape Long-term advantage in the optical module market depends

Optical Module Chip Market 2025

Optical module chips are semiconductor devices that enable high-speed data transmission in fiber optic networks. These

Optical Module: A Comprehensive Analysis from Source to Terminal

Due to differences in demand, there can be significant price variations when acquiring chips among optical module

The Evolution of Optical Modules: 400G → 800G → 1.6T – A Strategic ...

400G vs 800G vs 1.6T: Quick Comparison 400G, 800G, and 1.6T optical modules differ primarily in bandwidth, power

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

Understanding Optical Modules: Working Principles, Structures, and ...

Explore the working principles, structures, and performance metrics of optical modules, essential components of

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,

Optical Transceiver Modules Prices & Specifications

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

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

What is Optical Link Module?

Also known as an optical transceiver, it sits at the physical layer of the OSI model and serves as the core bridge in any fiber optic

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 Package Market 2025

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

Optical module design resources | TI

View the TI Optical module block diagram, product recommendations, reference designs and start designing.

Contact Us

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