

Price 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

Aug 31, 2025

What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals,

Nov 30, 2025

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

Nov 21, 2025

Optics Transceiver Module Market 2025

Emerging players such as Skylane Optics and Vescent Photonics focus on niche applications including aerospace and quantum

Nov 04, 2025

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

Oct 16, 2025

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

Nov 28, 2025

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

Feb 26, 2026

Optical Transceiver Pricing: Cost Ranges by Speed and

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

Mar 25, 2026

SFP Module Prices Comparison by Top 5 SFP

Why Optical Transceiver Manufacturers Listed Below are for SFP Price Comparison First,

Apr 18, 2026

Fiber Optic Transceiver Modules | Optoelectronics

Shop DigiKey's large in-stock selection of Fiber Optic Transceiver Modules. View inventory, pricing and

Jul 27, 2025

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

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

Nov 29, 2025

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

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

Oct 02, 2025

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

Feb 06, 2026

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

Geteknet OEM 550m-160km Fiber Optic 3.3V ODM OEM Communication Module SFP Fiber Optic Optical SFP Transceiver Module

Oct 15, 2025

Optical Transceiver Modules | Avnet Americas

Shop Optical Transceiver Modules from top manufacturers at Avnet . Check inventory, pricing, and order online with same day

Jul 04, 2026

Communications

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

Mar 21, 2026

Everything You Need to Know About Optical Modules

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

Mar 01, 2026

Wholesale Fiber-optic Modules from Manufacturers, Fiber-optic Modules ...

Dive into our online wholesale fiber-optic modules products catalog on globalsources ! Source over 636 fiber-optic modules for

Feb 12, 2026

Optical Modules Market Size, Growth Trends & Forecast

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

Oct 10, 2025

Optical Transceiver Market Size, Share, Trends | Forecast

North America dominated the global optical transceiver market with a share of 35.90% in 2025. The optical

Oct 18, 2025

Cost of optical module electronic chips | Weyland

For traditional 10G and 25G optical modules, the structure is relatively simple, and electronic chips typically account

Jun 26, 2026

Understanding Optical Modules: A Comprehensive Guide

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

Sep 27, 2025

Optical Transceiver Modules, HUAWEI Cisco SFP SFP+ QSFP Module Price

Get Optical Transceiver Modules at Best Price, Cisco and HUAWEI SFP Module, 10G SFP+ Module, 25G SFP Module, 40g QSFP

Dec 30, 2025

The Key External Components of Optical Modules

An optical module serves as the backbone of modern fiber-optic communication. Its appearance often resembles a

Apr 19, 2026

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

Oct 24, 2025

Optical Module Chip Market 2025

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

Feb 13, 2026

SFP Module Price

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

Sep 29, 2025

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

Aug 09, 2025

Transceivers, optical modules

SFP SFP+ XFP SFP28 QSFP+ QSFP28 optical modules with 100M, 1G, 10G, 25G, 40G, 100G bandwidths. Compatible with chosen

Feb 09, 2026

The Evolution of Optical Modules: Powering the Future

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

Jan 15, 2026

Optical Transceiver Modules Prices & Specifications

Optical Transceiver Modules/SFP, also called fiber optic transceiver or optical

Jul 19, 2026

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

Jan 27, 2026

How to Choose Optical Modules Correctly?

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

Feb 21, 2026

The key points for optimizing the performance of optical modules

This article discusses the performance metrics for optical modules and how to achieve higher transmission speeds for

Apr 20, 2026

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

Nov 24, 2025

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

Apr 11, 2026

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

Contact Us

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

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

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,
2196, South Africa

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

