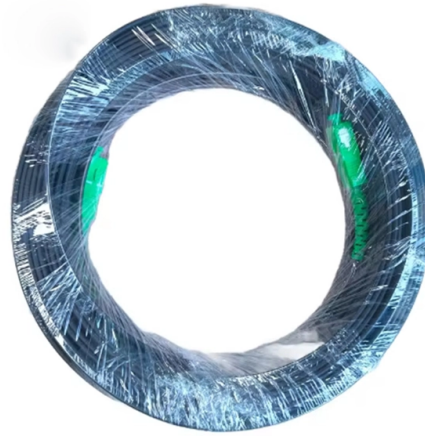


Price range of 100g optical modules



AI Overview

The price of a 100G QSFP28 optical module ranges from around \$35 for short-reach third-party modules to \$780 or more for OEM long-reach modules, depending on specifications and vendor.

Price Ranges

- Short-Reach (SR4) Modules:** Compatible third-party modules can start as low as \$35 per module, offering 100G connectivity over multimode fiber for distances up to 100 meters.
- Long-Reach (LR4) Modules:** OEM modules for 10 km single-mode fiber can cost \$780 per module, while compatible third-party alternatives may be available for \$280 per module.
- Extended Reach (ER4, ZR4, CWDM4, PSM4):** Prices vary significantly based on distance, wavelength, and vendor support, often ranging from \$200 to several thousand dollars for OEM versions.

Factors Affecting Cost

- Engineering and Development:** Design verification, reliability testing, and qualification processes contribute to the final cost.
- Bill of Materials (BOM):** Chipsets, optical components, mechanical housing, and connectors are major contributors.
- Production and Overhead:** Labor, equipment, testing, and general business overhead influence pricing.
- Vendor Type:** OEM modules are typically more expensive due to branding, warranty, and platform coding, while third-party modules can offer significant savings.
- Purchase Volume and Relationship:** Bulk orders and established supplier relationships can reduce per-unit cost.
- Cost Efficiency**

Cost per Gigabit: A \$35 QSFP28 SR4 module delivers 100G, equating to \$0.35 per Gbps, which is more cost-efficient than lower-speed modules like a \$20 SFP+ 10G module (\$2.00 per Gbps).

Hidden Costs: Shipping, customs duties, spare inventory, and cabling should be considered when budgeting.

Summary

For 2026, third-party 100G QSFP28 modules provide a cost-effective alternative to OEM modules, especially for short- and medium-reach applications. OEM modules remain more expensive due to brand, warranty, and support, but may be preferred for critical deployments requiring guaranteed compatibility. Buyers should evaluate specifications, reach, vendor reliability...

Article Content

QSFP28 Price Guide 2026: 100G Transceiver Costs & TCO

OEM list prices can reach several thousand dollars per module. Compatible third-party alternatives can start as low as \$35 for common short-reach models. In many cases, the biggest

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Conclusion Choosing the right module isn't just about the fastest speed available; it's about matching the module to your fiber plant and switch capabilities. For most modern upgrades,

Zacks Investment Research

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

100G Optical Module Market Research Report 2034

The global 100G optical module market is valued at \$7.65 billion in 2025 and is projected to reach \$15 billion by 2034, reflecting a compound annual growth rate of 7.8% throughout the forecast period.

Hilink Optics QSFP QSPDD OSFP 10G SFP transceiver, Optical

If you have any questions about Hilink Optics CWDM DWDM QSFP QSPDD OSFP 10G SFP transceivers, we will give the professional solutions to you.

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 — buying tips included.

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100G Optical Module Selection Guide: Advantages and Types of

Reasons for Choosing QSFP28 100G Optical Module Long-Distance Transmission Capability One of the standout features of QSFP28 100G is their ability to effectively support

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All optical transceivers undergo professional optical performance testing before shipment. - Compatibility verification on major brand equipment (Cisco, Huawei, Ericsson, Nokia, Juniper, HP, H3C, Arista). -

Key Differences Of 100G, 400G, And 800G Explained

optical modules with different rates have been launched one after another, among which 100G, 400G and 800G optical modules have become the

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Explore the 5 best long-range drones, comparing flight time, range, payload, and features for mapping, SAR, and surveillance missions.

Different Packaging and Prospects of 100G Optical Modules

Cost SFP112 has limited product options in the market, and prices may be relatively higher. In contrast, other packaging formats may have more mature offerings in the market with a

Introduction to Common 100G Optical Module Types, Advantages,

By understanding the different types of 100G optical modules available, their advantages, and application scenarios, organizations can make informed decisions when designing, deploying, and

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Cisco 10GBASE SFP+ Modules Data Sheet

A broad range of industry-compliant SFP+ modules for 10 Gigabit Ethernet deployments in diverse networking environments. Product overview The Cisco ® 10GBASE SFP+ modules (Figure

100GBASE QSFP-100G Modules Data Sheet

Each Cisco QSFP 100-Gbps SR1.2 BiDi transceiver consists of two transmit and receive channels in the 832-918 nanometer wavelength range, enabling an aggregated 100-Gbps link over a

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Overview of 100G Optical Modules and Modulation

Explores 100G Optical Modules types and modulation techniques, focusing on PAM4 and coherent optics to improve performance and bandwidth.

100G Optical Modules

Types of 100G Optical Modules A 100G optical module is a high-speed transceiver used in fiber optic communication networks to convert electrical signals into optical signals and vice versa.

Contact Us

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