

Price of 100 optical modules



AI Overview

The cost of 100 optical modules (100G QSFP28) in 2026 can range from approximately \$3,500 to \$78,000 depending on whether you choose third-party or OEM modules.

Pricing Overview

Third-party compatible modules: Common 100G QSFP28 modules from third-party suppliers can cost as low as \$35–\$280 per module depending on reach and specifications. For 100 modules, this translates to \$3,500–\$28,000.

OEM modules: Official vendor modules, such as Cisco or other OEM-branded QSFP28 transceivers, can cost \$780 or more per module, making 100 modules cost around \$78,000.

Factors Affecting Price

Module Type and Reach: Short-reach (SR) modules are generally cheaper, while long-reach (LR) or extended-reach modules cost more due to higher-quality lasers and optical components.

Vendor and Brand: OEM modules include brand assurance, warranty, and guaranteed compatibility, which increases cost. Third-party modules offer savings but may require careful compatibility checks.

Engineering and Production Costs: Prices reflect the cost of chipsets, optical components, assembly, testing, and quality assurance. Modules undergo rigorous reliability and performance testing, which is factored into the price.

Volume Discounts: Bulk purchases often reduce per-unit cost, especially from third-party suppliers.

Additional Costs: Shipping, customs duties, and spare inventory can add to the total procurement cost.

Practical Considerations

Compatibility: Ensure third-party modules are compatible with your existing switches and routers.

Warranty and Support: OEM modules typically offer longer warranties and technical support, which may justify higher costs for enterprise deployments.

Total Cost of Ownership: Consider not just the module price but also installation, testing, and potential replacement costs over time.

In summary, for 100 optical modules, you can expect a wide price range from \$3,500 for basic third-party modules to \$78,000 for premium OEM modules, with the final cost influenced by mo...

Article Content

SFP Module Prices Comparison by Top 5 SFP

Why Optical Transceiver Manufacturers Listed Below are for SFP Price Comparison
First, pick up the most relevant optical transceiver

Optical Modules

This report aims to provide a comprehensive presentation of the global market for Optical Modules, focusing on the total sales volume, sales

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 Module, 100G Module, 400G Module, SFP Cable, DAC Cable, AOC

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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 modules, electronic chips can account for 20%–40% or more of total cost,

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100G QSFP28 Optical Transceiver Modules | FiberMall

Compared with other package types of 100G transceivers (CFP/CFP2/CFP4), the 100G QSFP28 has higher density, lower power consumption and obvious price advantages.

AI Drives Doubling of 800G Optical Transceiver

Furthermore, driven by escalating demands from AI technology, shipments of 800G optical transceivers are projected to grow by 100% year-over-year in 2025. The

Optical Transceiver Modules Prices & Specifications

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

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 reach \$39.6 billion by 2034,

100G QSFP28 Transceiver Modules | Optical

FS offers a growing portfolio of 100G QSFP28 modules. The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres,

Secure & Reliable Fiber Optic Connectivity Solutions

Versiton specializes in designing and manufacturing copper-to-fiber connectivity solutions tailored for data, voice, and video applications across diverse

Cost of optical module electronic chips | Weyland

The cost share of electronic chips varies significantly depending on the data rate of the optical module. For traditional 10G and 25G optical modules, the structure is relatively simple, and

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Cost structure of optical module chips | Weyland

The overall cost of an optical module chip depends on material choices, design complexity, manufacturing processes, packaging, testing, and integration, all of which play a role in the final

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Save on Cisco 100G and 400G optics

Take advantage of volume discounts for Cisco optics and maximize the port utilization on your switches and routers. This promotion includes 100G optics with reaches up to 80 km and 400G optics with

QSFPTEK 100Gbase-LR4 QSFP28 Transceiver, 100Gb

High Quality: Certified and tested on Cisco QSFP-100G ports for superior performance, quality, and reliability, every module had been individually

Global 100G Optical Module Market Size, Industry

Delve into detailed insights on the 100G Optical Module Market, forecasted to expand from USD 3.2 billion in 2024 to USD 8.5 billion by 2033 at a CAGR of

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

The Optical Module Price is a key item within our extensive Communication Module selection. When seeking a communication module, prioritize factors such as compatibility with your system, speed &

100G QSFP28 Module Cost: Pricing Guide & Factors

We explained how cost is calculated for 100G QSFP28 optical modules based on a wide range of engineering, production, business, and

100G QSFP28 Module Cost: Pricing Guide & Factors

Discover 100G QSFP28 module pricing. Learn key cost factors, considerations, and real examples to make informed purchasing decisions for

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

100G OPTICAL MODULES Price

CISCO GPL 2026 Check Cisco Price - Cisco Global Price List Tool Cisco Router, Switch, Firewall, Wireless AP, IP Phone Price List Search GPL Bulk Search Cisco HP / HPE Dell Aruba Juniper More

Cisco 100G Optical Modules Price

Cisco 100G Optical Modules To meet ever growing bandwidth requirements of service provider and data center networks, 100 Gigabit Ethernet was officially standardized in July 2010 under IEEE 802.3ba.

Optical Modules Market Size, Growth Trends & Forecast

Optical Modules Market size was valued at USD 3.5 billion in 2025 & is estimated to reach USD 8.2 billion by 2034, exhibiting a CAGR of 10.3% from

100G Optical Modules

Pluggable optical modules are hot-swappable transceivers that allow for easy installation, removal, and replacement without shutting down the entire system. This modularity enhances network flexibility

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