

Tariff Costs QSFP28 Optical Module 1G



AI Overview

QSFP28 optical modules for 1G applications typically range from \$50 to \$200 per unit, depending on vendor, quality, and compatibility. Pricing Overview QSFP28 modules are primarily designed for 100G Ethernet, but some vendors offer backward-compatible or breakout solutions for 1G or 10G applications. The cost of these modules varies widely based on several factors:

- Vendor and Brand:** OEM modules from major brands are generally more expensive, while third-party or compatible modules can reduce costs by 50-90% compared to OEMs.
- Module Type:** Single-mode, multimode, or PAM4 optics affect pricing. Modules with longer reach (LR4/ER4) are more costly than short-range (SR4) variants.
- Production and Materials:** Costs include chipsets, optical components, mechanical casing, and assembly labor. High-yield production and efficient manufacturing can lower prices.
- Engineering and Testing:** Design verification, reliability testing, and quality assurance contribute to the final price.
- Business Strategy:** Volume discounts, customer relationships, and market positioning can influence pricing. Some vendors offer lower introductory prices to gain market share.
- Vendor Options:** Pivotal Optics offers a wide range of SFP, SFP28, QSFP28, and QSFP-DD modules covering 1G to 400G, suitable for data centers and enterprise networks. QSFPTEK provides cost-effective alternatives to OEM modules, claiming up to 90% savings while maintaining quality through rigorous testing and certification. FS and other major suppliers focus on 100G QSFP28 modules but may provide breakout or compatible solutions for lower-speed applications.

Practical Considerations When purchasing QSFP28 modules for 1G use, consider: Compatibility with your switch or network device. Warranty and support, especially for third-party modules. Performance testing, including bit error rate and eye pattern verification, to ensure reliable operation at lower speeds. In summary, expect to pay between \$50 and \$200 per QSFP28 module for 1G applications, with third-party vendors offering...

Article Content

Armored Fiber Optic Cables

FS provides 50/25/10/1G transceivers modules in SFP/SFP28/SFP56/QSFP28 form factor, supporting transmission distances from 30m to 160km over SMF/MMF fiber and enabling low power and cost

SFP vs SFP+ vs SFP28 vs QSFP28: Which... | ABPTEL

SFP vs SFP+ vs SFP28 vs QSFP28: Which Transceiver Do You Really Need in 2025?
SFP vs SFP+ vs SFP28 vs QSFP28 Transceiver Guide

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

Understanding QSFP28 Optical Modules: A

Its cost is significantly higher than the QSFP28 PSM4 optical module. Through coarse wavelength division multiplexing (CWDM) technology, the QSFP28

Cisco Transceiver Modules

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

SFP vs SFP28 vs QSFP28 vs QSFP-DD/OSFP: 2026

A 2026-ready, engineer-focused guide comparing SFP, SFP28, QSFP28, QSFP-DD and OSFP transceivers. Learn decision rules, deployment

Selecting the Right QSFP28 Module

With so many different QSFP28 optical transceiver modules available for 100G connections, it can sometimes be overwhelming to decide on which

Data Center Optical Transceiver Market Size, Share, Trends

A significant share of global optical transceiver manufacturing — particularly for high-volume, cost-sensitive segments — is concentrated in China. The 2025 US tariff landscape, including expanded

100G QSFP28 Transceiver Modules | Optical

The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres, enterprise core & distribution layers, computing networks and

Cisco QSFP28 100G ZR Digital Coherent Optics

Cisco ® QSFP28 100G ZR extends 100GbE coherent links from QSFP28 ports reaching up to 80km over dark fiber and up to 300km over

What is QSFP28 optical module and how it works

The full name of QSFP28 optical module is 100G optical module, which is one of the popular and mainstream 100G optical modules on the market. Due to its low power consumption and

100G Optical Module Selection Guide: Advantages and Types of QSFP28

Explore the QSFP28 100G optical module, a vital component for high-speed network connections. Discover its unique features, advantages, and various types to meet diverse

QSFP28 Transceiver: The Ultimate 100G Optical

The QSFP28 optical transceiver has become the cornerstone of 100G networking due to its outstanding balance of performance, density, power

Optical Transceiver Modules Prices & Specifications

FAQ – Optical Transceiver Modules What are the main types of optical transceiver modules? The main types include SFP (1G), SFP+ (10G), SFP28 (25G), QSFP+

Cisco QSFP28 100G ZR Digital Coherent Optics Module Data Sheet

Its maximum operating power range is 5.5W for C-temperature and 6W for industrial temperature. The QSFP28 100G ZR can cost effectively extend 100G links to 80km on any fiber type,

Wholesale Optical Transceivers Module | 100G QSFP28, 40G QSFP

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert technical support & wholesale pricing.

QSFP28 Transceiver: Complete 100G Connectivity

QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment. Learn how to choose, deploy, and troubleshoot

SFP Module Prices Comparison by Top 5 SFP

This post offers quick access to the SFP module price list by researching top vendors. SFP modules have been in large demand in data

QSFP28 Price Guide 2026: 100G Transceiver Costs

Real QSFP28 pricing for 2026: SR4, LR4, CWDM4, and single-lambda costs. Compare OEM vs third-party, volume discounts, and hidden TCO

Optical Transceiver Modules Prices & Specifications

Optical Transceiver Modules/SFP, also called fiber optic transceiver or optical transceiver, is a typically hot-pluggable device used in high-bandwidth data communications applications.

100G QSFP28

100G optical modules are becoming more and more widely used in enterprise data centers. With the introduction of 400G optical module and the continuous

Tariff Costs QSFP28 Optical Module SFP

Tariff Costs QSFP28 Optical Module SFP A tariff, or import tax, is a duty imposed by a national government, customs territory, or supranational union on imports of goods and is paid by the importer.

Primer A Guide To 400g Optical Networks

Ivorian manufacturer QSFP28 optical module 400G NADDOD provides high-quality Ethernet transceivers for RoCE networking, including 100G QSFP28/QSFP56, 200G QSFP56, 400G

Optical Transceiver Pricing: Cost Ranges by Speed and

See practical price ranges for 1G–100G optical transceivers, DAC/AOC options, and why cost varies by speed, reach and technology — buying tips included.

Contact Us

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

Website: <https://www.tomor.eu>

Email: info@tomor.eu

Phone: +49 69 2381 5497

Address: Am Hauptbahnhof 10, 60329 Frankfurt am Main, Germany

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

