Price List for 50G Optical Modules

Overview

50G QSFP28/SFP56 Optical Transceiver Modules Click to get your 50g sfp56, qsfp28 transceiver modules from nearby warehouses. 30-Day Free Return. 50G QSFP28.

Key Takeaways

50G optical modules typically cost between $100 and $500, depending on type, reach, and brand.Typical Price Range

The cost of a 50G optical transceiver, such as QSFP28 or SFP56 modules, varies based on several factors:

• Generic or compatible modules: These are often the most cost-effective, with prices starting around $100–$200 for short-reach multimode modules and standard single-mode modules suitable for data centers or enterprise networks .

• Branded or OEM-certified modules: Modules from major manufacturers or those designed for long-reach single-mode applications can cost $300–$500 or more, reflecting higher reliability, warranty, and testing standards .

• Specialized modules: Long-haul, DWDM, or PAM4 50G modules for 5G mid-haul/backhaul or extended distances (up to 40 km) may exceed $500, depending on optical complexity and certification .
Factors Affecting Cost
• Form Factor: QSFP28 modules are generally more expensive than SFP56 due to higher density and multi-lane support.

• Reach and Wavelength: Short-reach multimode modules (e.g., 100m–500m) are cheaper than long-reach single-mode modules (10–40 km).

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• Modulation Technology: PAM4 modules for 50G Ethernet are slightly more expensive than NRZ-based modules due to advanced signal processing.

• Brand and Warranty: OEM-certified modules carry a premium for guaranteed compatibility and lifetime support, while generic modules are more affordable but may have limited warranty.

• Volume Purchase: Bulk orders can reduce per-unit cost significantly, especially for generic modules.
Summary

For most data center or enterprise applications, a 50G SFP56 or QSFP28 module will cost roughly $100–$500, with short-reach generic modules at the lower end and long-reach, branded, or specialized modules at the higher end. Choosing between generic and OEM-certified modules depends on your budget, network reliability requirements, and distance needs .

Article Content

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50G QSFP28/SFP56 Optical Transceiver Modules

QSFP28 50GBASE-ER 1310nm 40km Module, Generic Broadcom | Mitsubishi EML Chip | Data Center | ≤4.5W | Duplex LC | SMF |

50G QSFP28 50G SFP56 Optical Transceiver Module | FiberMall

The 50g SFP56 module, known as an Optical Transceiving (OTM), is a plug-and-play hot-pluggable small form-factor module that

OPTICAL MODULE Price

ONS 15454 Optical Service Channel Module. ONS 15454 Enhanced Optical Booster Amplifier Module. ONS 15454 Optical Booster

Cisco 50GBASE SFP56 Modules Data Sheet

The Cisco® 50GBASE SFP56 (Small Form-Factor Pluggable) portfolio offers customers a

25G/40G/50G/100G Optical Transceiver Modules | FiberMall

FiberMall offers 25G SFP28/40G QSFP+/100G QSFP28 Transceiver Modules designed with form factor, optical/electrical

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50G SFP56 SR VCSEL 850nm 100m Optical Transceiver Module

The GIGALIGHT 50G SFP56 SR optical transceiver module is used for short-distance interconnection between internal devices in

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Optical Transceiver Manufacturer,Introduction Of 50G SFP56 SR Optical ...

The 50G SFP56 SR optical module is an optical module with a transmission distance of 100m and a maximum rate of

50G Fronthaul Optical Module Market Research Report 2034

The 50G Fronthaul Optical Module market was valued at $1.2 billion in 2025 and is projected to reach $5.8 billion by

Explore the Features and Applications of FS 50G SFP56 Module

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The 50G SFP56 is an optical module used in fiber optic communication. It is capable of providing a transmission rate of

Huawei PON SFP Modules | GPON XG-PON XGS-PON & 50G-PON Optical ...

Huawei offers multiple GPON XG-PON XGS-PON & 50G-PON optical module options, including Class B+, Class C+,

FortiGate FortiWiFi 50G Series Data Sheet | Fortinet

The FortiGate Next-Generation Firewall 50G series is ideal for building security-driven networks at distributed enterprise sites and

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50G QSFP28 transceiver modules are a high-performance, cost-effective modules for 50Gigabit Ethernet links and up to ZR2 80km

50GBASE-ER SFP56 Transceiver

EDGEOPTIC 50GBASE-ER SFP56 transceiver: 40km single-mode fiber, 1311nm wavelength, 17dB link budget, PAM4 modulation.

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

50G SFP56

The GIGALIGHT 50G SFP56 pluggable optical transceiver modules support 50G Ethernet and InfiniBand HDR data rates. This

4 Types of 50G SFP56 Transceivers Introduction

50G SFP56 dual-fiber bidirectional optical modules still face more problems and challenges in terms of performance,

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Cisco 50GbE Long Range QSFP56 Transceiver Module

The Cisco SFP-50G-LR-S= transceiver module is designed for high-performance connectivity in modern networking environments.

50G Transceivers Guide: Everything You Need to Know in 2026

This article examines 50G transceiver signaling technology, different types of 50G optical modules and why 50G is

50G QSFP28/SFP56 Optical Transceiver Modules

FS 50G QSFP28, SFP56 optical module solution used for high-density switching, routing and data center applications. Click to get

50G QSFP28 ER PAM4 1310nm 40km 50G Transceiver|HEYOPTICS

HeyOptics provides 50G QSFP28 ER PAM4 optical modules and other 50G transceivers in 50GBASE-LR (10km) and 50G BiDi

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50GPON ONU QSFP28 Optical Transceiver Module Supplier | Superxon

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price list

CHIP-650-P10, 650 nm, 10 mW, laser diode chip, sm (no guarantee on bare dies!) CHIP-650-P30, 650 nm, 30 mW, laser diode chip,

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FIBERSTAMP 50G SFP56 DWDM optical transceiver module is used for 5G fronthaul, conforms to 50 Ethernet transmission

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