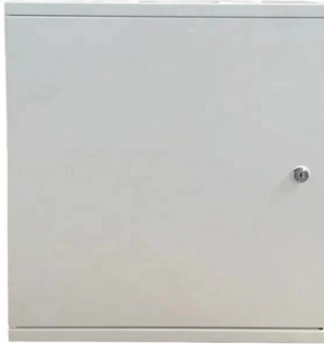


# Price List for 50G Optical Modules



## 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).

- **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

### 50G QSFP28/SFP56 Optical Transceiver Modules

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### 50G QSFP28/SFP56 Optical Transceiver Modules

QSFP28 50GBASE-ER 1310nm 40km Module, Generic Broadcom | Mitsubishi EML Chip  
| Data Center |  $\leq 4.5W$  | 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

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Superxon 50G ONU transceivers, compliant with QSFP28 MSA, support single-fiber bi-directional data

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

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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

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

[50G QSFP28 Optical Transceiver Modules | AscentOptics](#)

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.

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[50G SFP56](#)

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

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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

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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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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,

## OEM & ODM 10G/25G/40G/50G Modules, Optical Transceivers

Architect seamless, high-bandwidth enterprise connections and telecom aggregation with the industry-certified 10G/25G/40G/50G

## 50G SFP56 Optical Transceiver Modules | AscentOptics

AscentOptics' 50G SFP56 optical transceivers offer customers a wide variety of high-density and low power 50G and 25G Gigabit

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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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