

Ethernet optical module price



Article Overview

Ethernet switch optical modules (SFP/SFP+) typically range from \$10 to \$150 per module, depending on speed, distance, and type.

Price Overview

- Gigabit SFP Modules (1G): Single-mode modules for long-distance links (up to 20 km) generally cost \$20–\$50, while multi-mode modules for short distances (up to 2 km) are around \$10–\$30 .
- 10G SFP+ Modules: Higher-speed modules for 10 Gigabit switches are more expensive, typically \$80–\$150 per module, depending on distance and manufacturer .
- Fiber Type and Distance: Single-mode modules (1310 nm or 1550 nm) for long-haul connections are pricier than multi-mode (850 nm) modules used for building backbones or data racks .

Factors Affecting Price

- Module Type: SFP (1G) vs SFP+ (10G) vs QSFP (40G/100G)
- Distance Capability: Short-range (up to 2 km) vs long-range (up to 120 km)
- Brand and Compatibility: OEM modules from Cisco, Juniper, or HP are more expensive than third-party compatible modules .
- Quantity: Bulk purchases often reduce per-unit cost, especially from distributors like Mouser Electronics .

Additional Considerations...

Article Content

SFP Module Types, SFP Transceiver Price List

FS SFP module solutions range from Fast Ethernet to Gigabit Ethernet speeds. fibre and copper SFP transceivers can be selected in

Comprehensive Guide to Optical Transceiver Classifications and

Introduction Optical modules are critical components in fiber optic communications, enabling the conversion between

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,

QSFPTEK 100Gbase-LR4 QSFP28 Transceiver, 100Gb Ethernet LC

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1G SFP Optical Transceivers | Transceiver Modules

Store.QSFPTEK 1G SFP transceivers provide wide selection for various Gigabit Ethernet applications, such as 100+ vendors

100G QSFP28 Transceiver Modules | Optical

FS offers a growing portfolio of 100G QSFP28 modules. The 100G QSFP28 module solution provides high

100G/200G/400G/800G Ethernet Transceiver | NADDOD

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Optics and Transceivers | Fiber Optical Transceivers

FS offers a growing portfolio of optical transceivers, with speed range from 100M, 1G, 10G, 25G, 40G, 50G, 100G, 200G, 400G to

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for

March 2024 Ethernet Optics

Report Abstract This report analyzes the impact of growing data traffic and the changing architecture of data centers on the market

Cost trends of Ethernet switches and optical modules ...

Download scientific diagram | Cost trends of Ethernet switches and optical modules from 2010 to 2023; the values for 2020–2023 are

10GBASE-T SFP+ to RJ45 Transceiver, 10G Ethernet

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LightCounting: The demand for 400G/800G optical modules exceeds

The “hegemony” competition in artificial intelligence is unfolding in full swing. Since July 2023, the market research

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Scale up your Ethernet connections using this Intel® Ethernet SFP+ SR Optics module. Crafted in an adaptable layout, it facilitates

LightCounting :: Updated forecast for sales of Ethernet transceivers ...

It will take only 4 years for 1.6T transceivers to reach this level, compared to a decade for 100G modules. This report analyzes the

SFP28 • QFSP28 Optical Modules for Sale | Cables on Demand

SFP28 • QFSP28 Optical Modules Amphenol 25G SFP28 Optical Transceiver Modules and 100G QSFP28 Optical Transceiver

Hanutech EPON OLT Pon Module 1.25G Uplink/1.25G Downlink SFP

Hanutech EPON OLT Pon Module 1.25G Uplink/1.25G Downlink SFP PX20+++ 1490nm/1310nm 7.5dbm-9dbm Transceiver Optical

200G/400G/800G Optical Transceiver Modules | FiberMall

200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for data center

10G SFP+ Optical Transceivers | Transceiver Module

FS 10GbE SFP+ module solutions provide a wide variety of 10 Gigabit Ethernet connectivity options for data centers, enterprise

LightCounting :: Sales of 800G transceivers will return the market to ...

LightCounting releases June 2025 Quarterly Market Update report June 12, 2025
LightCounting expects a 10% sequential growth in

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

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