

Price of 1310 Optical Module



AI Overview

A 1310nm optical module typically costs between \$20 and \$150, depending on speed, distance, and brand.

Price Overview

The cost of a 1310nm optical module varies based on several factors:

- Data Rate:** Modules supporting 1G or 10G Ethernet are generally less expensive, while 25G or 100G modules cost more. For example, a 10G SFP+ 1310nm module for 10 km single-mode fiber usually ranges from \$40 to \$80.
- Transmission Distance:** Standard 10 km modules are cheaper, whereas extended-range modules (20–40 km) can cost \$80–\$150.
- Module Type:** SFP, SFP+, and DFB laser modules differ in price. Directly modulated DFB lasers for 4–5 Gb/s links are cost-effective but may still be slightly higher than basic SFP modules.
- Brand and Compatibility:** Modules compatible with Cisco, Huawei, Juniper, or other enterprise switches may carry a premium. Generic or third-party modules are usually more affordable.

Typical Use Cases

- Data Centers and Enterprise Networks:** 1310nm modules are widely used for short-to-medium links (≤ 10 km) due to their cost efficiency.
- Metro and Campus Networks:** Extended-range modules (20–40 km) are suitable for longer single-mode fiber connections.

Fast Ethernet or SDH/SONET Applications: Lower-speed 155 Mbps 1310nm SFP modules are available at very affordable prices, often under \$50.

Summary

For budgeting purposes, you can expect:

- 1G–10G, 10 km: \$20–\$80
- 10G, 20–40 km: \$80–\$150

Specialized DFB lasers or industrial-grade modules: \$100–\$200

Always check the module specifications, compatibility with your network equipment, and whether the module is OEM or third-party, as these factors significantly influence the final cost.

Article Content

1.25Gbps SFP Bi-Directional Transceiver, 20km LC Reach

SFP Transceiver Module 1.25gbps 20km LC Reach Tx1310nm/Rx1550nm Bi-Directional for Data Center FTTH FTTX Product Overview 1.25Gbps SFP Bi-Directional Transceiver, 20KM Reach The SFP

Semiconductor Optical Amplifier, 1310nm, Benchtop – Optilab

The SOA-1310-B can be ordered with Single Mode (SM) or Polarization Maintaining (PM) fiber input/output, with this particular SOA module having broadband amplification from 1250nm to

SFP transceiver BlueOptics SFP-GLS-W5320-A-BO | AiO.lv

Short description The BlueOptics SFP-GLS-W5320-A-BO is a fiber optic SFP transceiver module with a maximum data transfer rate of 1250 Mbit/s. It features a metal housing, operates at an input voltage

Multimode 1310 nm Fiber Optic Transmitters, Receivers, Transceivers

Mouser offers inventory, pricing, & datasheets for Multimode 1310 nm Fiber Optic Transmitters, Receivers, Transceivers.

Optical Transceiver SFP+ 10G Single-Mode Module 1310nm 10km LC

Explore the features, applications, and selection guide for optical transceiver SFP+ 10G single-mode 1310nm 10km LC modules for data centers and enterprise networks.

Everything You Need to Know About 1310nm Optical

1310nm optical module offers reliable, cost-effective data transmission for metro, campus, and enterprise networks. Compare performance, reach, and

155Mbps 1310nm 20km SFP Transceiver Module

155Mbps SMF 1310nm 20km SFP Transceiver for Fast Ethernet/STM-1/OC-3 at Affordable Factory Price, 5-Year Warranty & Money-back Guarantee.

10GE SFP+ Optical Modules

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SFP Transceiver CBO SFP-1G-LH 1G 1310nm | AiO.lv

CBO SFP-1G-LH is a 1 Gigabit SFP transceiver module designed for single-mode fiber links at a wavelength of 1310 nm. The module provides a compact, hot-pluggable interface compatible with

SFP transceiver BlueOptics SFP-GE-LX-SM1310 | AiO.lv

The BlueOptics SFP-GE-LX-SM1310 is a fiber optic SFP transceiver module designed for high-speed data transfer at 1250 Mbit/s. It operates at a wavelength of 1310 nm, making it suitable for long

8 Best OTDR Fiber Optic Testing Equipment (June

Discover the 8 best OTDR fiber optic testing equipment (June 2026). Our expert reviews highlight reliable, high-performance tools for accurate fiber

Generic 10GBASE-LR SFP+ Transceiver Module

Check Generic 10gbe SFP+ transceiver module datasheet (10GBASE-LR SFP+

EML vs VCSEL vs CW Laser: Optical Transceiver

Compare EML, VCSEL, and CW laser technologies in optical transceivers. Covers cost, reach, speed, the 2025 EML shortage, and silicon

Huawei SFP-GE-LX-SM1310 1GE 1310nm 10km SFP

Huawei SFP-GE-LX-SM1310 1GE 1310nm 10km single-mode SFP module for Huawei switches and routers. Check real-time price, stock and lead time. Global

10Gtek 10GBase-LR SFP+ Transceiver, 10G 1310nm SMF

Available at a lower price from other sellers that may not offer free Prime shipping. Customers usually keep this item.

Optic Modules Datasheet

Features and Benefits The following table lists the different pluggable optic modules and supported platforms, along with the technical specifications for each.

10G SFP+ ER SMF 1310nm 40km Transceiver Module

Buy 10Gb/s SFP+ ER SMF 1310nm 40km Optical Transceiver Manufacturer at Affordable Factory Price,5-Year Warranty & Money-back Guarantee.

LightCounting :: Demand for optical connectivity continues to surprise

If TSMC could ship more GPU than expected, the shortages for optical transceivers will stretch into 2027 and the market growth will exceed our forecast. Data on year-over-year growth in quarterly capex of

Singlemode 1310 nm Fiber Optic Transceivers - Mouser

Singlemode 1310 nm Fiber Optic Transceivers are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Singlemode 1310 nm Fiber Optic Transceivers.

10G BiDi SFP+ 20km Tx1270/Rx1330

The BIDI-10G-SFP-20A (Tx1270/Rx1330) will pair with any SFP+ MSA-compliant Tx1330/Rx1270 BiDi module that meets the 9 dB budget and 20km reach class, which is common when one end of the

Single-Mode Vs Multimode Optical Modules: Detailed

For long-haul links measured in kilometers, Single Mode modules such as 10GBASE-LR (1310 nm) and 100G-LR4 (1310/1550 nm lanes) are the norm.

Google's High-Speed Interconnect Architecture to Push

Consequently, advances in—and supply of—high-speed optical modules, lasers, and other optical components will become a decisive factor,

Contact Us

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