

Price of 1550 Optical Module



Overview

1550 nm Optical Fibers 1550 nm Optical Fibers, Lightera (OFS) Optics, Polarization Maintaining Fiber, Specialty Optical Fibers Modules and Kits 1550nm SFP.

Key Takeaways

A 1550 nm optical module typically costs between \$100 and \$500, depending on type, distance, and vendor. Price Range and Factors

The cost of a 1550 nm optical module varies based on module type (SFP, XFP, or optical amplifier), transmission distance, and brand. For example:

- 1G SFP 1550 nm modules for long-distance links (40–120 km) are generally priced around \$100–\$200 per module, suitable for legacy networks and carrier infrastructure .
- 10G XFP 1550 nm modules for extended distances (up to 40 km) can cost \$300–\$500, reflecting higher performance and compliance with 10G Ethernet standards .
- Semiconductor optical amplifiers (SOA) at 1550 nm may be more expensive due to additional features like fiber-to-fiber gain, TEC, and hermetic packaging, often exceeding \$400–\$600 depending on specifications .

Key Considerations

- Transmission Distance: Longer distances require higher-quality modules with better optical budgets, which increases cost .

- **Module Type:** SFP modules are generally cheaper than XFP or optical amplifiers due to lower data rates and simpler design .
 - **Vendor and Brand:** OEM modules from major networking brands may cost more than third-party or generic modules, but they often offer better reliability and warranty.
 - **Environmental Tolerance:** Industrial-grade modules designed for harsh conditions are priced higher than standard commercial modules .
- Summary

For most long-distance single-mode fiber applications, a 1550 nm SFP module costs around \$100-\$200, while higher-speed or extended-range XFP modules range from \$300-\$500. Specialized optical amplifiers or industrial-grade modules can exceed these ranges. When selecting a module, consider distance, compatibility, and long-term reliability rather than just the initial cost .

Article Content

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1550 nm Optical Fibers, Lightera (OFS) Optics, Polarization Maintaining Fiber, Specialty Optical Fibers Modules and Kits

1550nm SFP Transceiver Module | Long Distance Fiber Optics

Buy 1550nm SFP transceiver modules for long-distance fiber networks. Compare types, distances, compatibility, and pricing to

10Gb/s SMF 1550nm 40km XFP ER Optical Transceiver

Optcore's OXP10G-5540DCR is a high performance and cost-effective XFP ER transceiver module for 10 Gigabit Ethernet links up to

LYNX Technik OH-BD-1-1550 Optical Bidirectional Transceiver SFP

The LYNX Technik OH-BD-1-1550 SDI bidirectional optical transceiver is an integrated part or plug in option for select LYNX Technik

1550 nm optical receiver module Price,1550 nm optical receiver

Sanland specializes in supplying all kinds of 1550 nm optical receiver module. Many years of industry experience and

3G-SDI 1550nm 80km Digital Video SFP Optical Transceiver

3G-SDI Video SFP Optical Transceiver Module (SMF, 1550nm, 80km, LC, DOM, MSA) Optcore's OHP3G-5580DCR is a high

SFP-10G-ER Transceiver | Long-Range 10G ER Modules

The 10GBASE-ER SFP+ 1550nm 40km DOM Duplex LC/UPC SMF Optical Transceiver Module is designed for high-speed 10GbE

What Is a 1550nm Optical Transceiver and How Does It

1. What Is a 1550nm Optical Transceiver? A 1550nm optical module is a compact 1550 nm Optical Fibers

Call for Price 1550 nm Optical Fibers, Lightera (OFS) Optics, Polarization Maintaining Fiber, Specialty Optical Fibers Modules and

Transceivers 1550 nm Fiber Optics - Mouser

Transceivers 1550 nm Fiber Optics are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for

10GBASE-ER SFP+ 1550nm 40km Transceiver

The module data link up to 40km in 9/125umSingle-mode fiber. This transceiver meets the SFP+ industry standard package utilizing price list

PRICE LIST 2026.06.18 EUR 1

LD-1550-21B Laser Diode

The LD-1550-21B Fiber Coupled Laser Diode consists of Fabry-Perot lasers, having a fiber pigtail precisely

Insertion Loss Troubleshooting Tip: Singlemode 1310 vs. 1550

In Singlemode cable assembly, the 2 wavelengths used for Insertion Loss testing are 1310nm & 1550nm. Read the

SFP-10G-ER Explained: Powering 40km 10Gbps Optical Links

SFP-10G-ER is a 10G SFP+ transceiver for up to 40km over single-mode fiber, featuring 1550nm wavelength, LC

1550nm CW Single Mode Fiber Laser | SIMTRUM Photonics Store

SIMTRUM's 1550nm CW Fiber Laser offers 10-500mW and 1-20W power options, ensuring high precision for fiber sensing and

Fiber Optic Wavelengths Explained: 850 vs 1310 vs 1550 nm

Light in optical fiber travels in the near-infrared region, far beyond visible light, and choosing the right transmission

Filter Node-1550 Edfa Optical Receiver Only Allowed to Pass

About this item Uniway Filter Node-1550: Specialized optical receiver designed to exclusively permit the passage of 1550 wavelength

Hanutech 1.25G DDM Single Mode Duplex 1550nm SFP Transceiver Module ...

Hanutech 1.25G DDM Single Mode Duplex 1550nm SFP Transceiver Module 40KM, LC Optical Interface- 1 Year Warranty :

Hanutech 1.25G DDM SFP Module Optical Transceiver LC Optical

Hanutech 1.25G DDM SFP Module Optical Transceiver LC Optical Interface 1310/1550nm SMSF 40KM : Amazon : Computers &

HK-SFP-1.25G-20-1550-C ATGBICS | Fiber Optic Transceiver Modules ...

Buy now, ships today. HK-SFP-1.25G-20-1550-C - Transceiver Module Networking, General Purpose 1000Mbps 1550/1310nm 3.3V

Fiber Optic Transceiver Modules | Optoelectronics | DigiKey

Fiber Optic Transceiver Modules Fiber optic transceiver modules are fiber cable adaptive housings that contain a light source for

HK-SFP-1.25G-20-1550 Hikvision® compatible SFP 1000Base

This product operates within a commercial temperature range. Digital optical monitoring (DOM) support is also present enabling real

ABPTEL 10G-SFP-ER | 10GBASE-ER | Transceiver Supplier | ABPTEL

The ABPTEL 10G-SFP-ER 10GBASE-ER SFP+ Optical Transceiver is engineered for extended-reach 10 Gigabit Ethernet (10GbE)

What is difference between 1310nm and 1550nm?

Can optical modules with wavelengths of 1310nm and 1550nm be connected? Taking into account the different transmission loss and

RAMEX Pair of 1.25G SC Bidi Optical SFP Module Optical ...

Buy RAMEX Pair of 1.25G SC Bidi Optical SFP Module Optical Transceiver 1310/1550nm 20KM 0 Ports 1000 Mbps Unmanaged

SFP-10G-ER Transceiver | Long-Range 10G ER Modules

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1550nm Laser Diodes

1550nm Laser Diodes, List of All Manufacturers and Products, Unbiased SELECTION GUIDE, Butterfly and TO-Can, Get the Best

DFB Laser, 1550 nm, Up to 60 mW, PM Output, CW Capable

This MQW DFB laser features 60 mW of output optical power, high Side Mode Suppression Ratio (SMSR). The standard 14-pin

1550nm Lasers | Laser Diodes & Modules | RPMC Lasers Inc

What are 1550nm Lasers? 1550nm Lasers emit laser light in the short-wave infrared (SWIR) or the near-infrared (NIR) range for the

1550nm External Optical Transmitter suitable for DWDM networks

VSOL 1550nm External Optical Transmitter V8610TE can optionally be equipped with an integrated EDFA for CATV applications In

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SFP+ 10 Gigabit Fiber Module

Find great prices on our 10GBase-ER LC Singlemode 1550nm SFP+ ethernet fiber modules.

1550 nm Swept Wavelength Laser Module

Specifically designed for FBG fiber sensor interrogation applications, the versatile SWL-1550-MC is available with spectral tuning of

One Pair of 1.25G SFP WDM SC Bidi Transceiver 1000Base-BIDI

One Pair of 1.25G SFP WDM SC Bidi Transceiver 1000Base-BIDI SingleMode Simplex Fiber Module SMF

price list

LD PIGTAILED HHL | INFRARED | 975 - 1650 nm.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

