

# **Introduction to the 1310 Optical Module**





## Overview

---

A 1310nm optical module lets you move data efficiently through fiber optic communication networks. As part of the O-band (1260–1360 nm), it balances low dispersion, stable performance, and cost efficiency. The 850nm wavelength is applied to multimode fibers, while the 1310nm and 1550nm wavelengths are used for single-mode fibers. 10-Gigabit Singlemode SFP+ module from the manufacturer Conexpro with a wavelength of 1310 nm (Tx/Rx), speed of 10 Gbps, and two LC connectors with UPC finish is designed for transmission over a distance of up to 10 km.



## Introduction to the 1310 Optical Module

---



### Buy MWDM Module 1310/1550nm Wideband FPM76/WDM Series for Optical

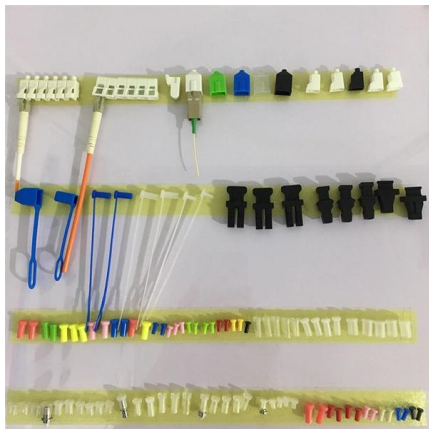
About this product The FPM76/WDM Series is a MWDM Module for 1310nm/1550nm wideband.

[Contact Us](#)

### Technical Characteristics Of 10G Optical Modules With

There are three wavelength windows for 10G optical module communication applications, namely the 850nm window, 1310nm window, and

[Contact Us](#)



### Optical Link Budget Calculation for SFP Modules Explained

Learn optical link budget calculation for SFP modules with formulas, real examples, fiber loss breakdown, and troubleshooting tips for reliable links.

[Contact Us](#)

### Spectral Ranges in Single-Mode Fiber-Optic Communication

Learn about spectral ranges in single-mode fiber-optic communication. Gain insights into their importance for high-speed data transfer and network reliability.



### Technical Characteristics Of 10G Optical Modules With

1. Optical communication wavelengths 2. 1310nm vs 1550nm
- 2.1 Attenuation characteristics
- 2.2 Dispersion
3. 10 Gigabit 1310 wavelength and 1550

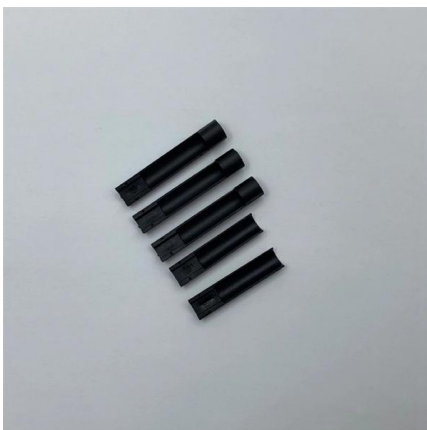
[Contact Us](#)

### What Is a 1310nm SFP? Definition, Uses & Key Features

Optical SFP vs Electrical SFP It is important to distinguish between optical SFP modules and electrical (copper) SFP modules. A 1310nm SFP belongs to the optical category and is designed for fiber optic



[Contact Us](#)



### SFP+10G 1310nm 10Km LC Optical Module Guide

The SFP+10G 1310nm 10Km LC optical module is a powerful and versatile solution for high-speed, long-distance data transmission. Understanding SFP+ optical

[Contact Us](#)



**Conexpro 10G SFP+ optical module, SM, 1310nm, 10km, 2x LC, DDM**

10-Gigabit Singlemode SFP+ module from the manufacturer Conexpro with a wavelength of 1310 nm (Tx/Rx), speed of 10 Gbps, and two LC connectors with UPC finish is designed for transmission over

[Contact Us](#)



**SFP-10G-LR-1310nm 20km LC DDM Optical Transceiver**

What Is SFP-10G-LR-1310nm 20km LC DDM Optical Transceiver Module? SFP-10G-LR-1310nm 20km LC DDM Optical Transceiver Module CISCO, HUAWEI,

[Contact Us](#)

**XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM**

XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM Duplex LC SMF Optical Transceiver Module Applicable to data center and campus networks, enabling cost-effective, efficient, and high

[Contact Us](#)



**GlobalFoundries Accelerates Adoption of Co-Packaged Optics for**

GlobalFoundries (Nasdaq: GFS) (GF) today announced the introduction of its SCALE(TM) optical module solution for co-packaged optics (CPO). GF's SCALE solution, or Silicon photonics Co-packaged

[Contact Us](#)



## FTLF1326P3BTL Single-Mode Optical Module 6.14 Gbps

Introducing the FTLF1326P3BTL single-mode optical module, designed for high-performance networking. This compact SFP module operates at a data rate of 6.14 Gbps with a wavelength of

[Contact Us](#)



## Technical Characteristics Of 10G Optical Modules With 1310nm And

There are three wavelength windows for 10G optical module communication applications, namely the 850nm window, 1310nm window, and 1550nm window. The 850nm wavelength is applied

[Contact Us](#)

## Everything You Need to Know About 1310nm Optical Modules

1310nm optical modules are essential for efficient data transmission in fiber optic networks, especially for medium distances. These modules offer low signal loss and minimal



[Contact Us](#)



## Conexpro 10G SFP+ optical module, SM, 1310nm,

10-Gigabit Singlemode SFP+ module from the manufacturer Conexpro with a wavelength of 1310 nm (Tx/Rx), speed of 10 Gbps, and two LC connectors with

[Contact Us](#)



### **Semiconductor Optical Amplifier, 1310nm, Benchtop - Optilab**

The Optilab SOA-1310-B is a semiconductor optical amplifier with high fiber-to-fiber gain, designed to be used in general applications to increase optical launch power to compensate for loss of other optical

[Contact Us](#)



### **Radiation Hardened Fibers 1310/1550 nm Single-Mode**

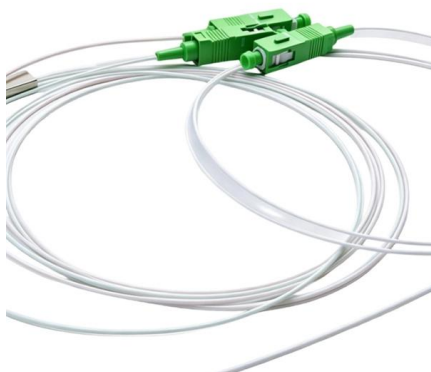
1310/1550 nm Single-Mode Radiation Hardened Fibers applications that use standard telecom wavelengths. Tactical fiber survives and transmits light even under extreme mechanical duress. The

[Contact Us](#)

### **7832 10G SFP+ 1310nm Transceiver Guide**

Select TPS 7832 10Gb/s SFP+ 1310nm optical transceivers for 20km single-mode links, with duplex LC, DDM, host fit, thermal checks, installation tips and RFQ guidance.

[Contact Us](#)



### **Introduction to 400G Optical Modules - KAD**

A clear, engineer-friendly overview of 400G optical modules, including standards, packaging formats, functions, and market outlook for next-generation

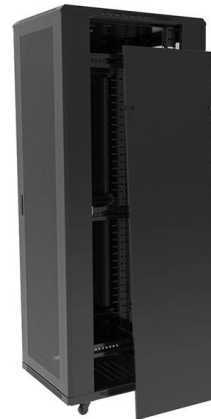
[Contact Us](#)



### SFP+10G 1310nm 10Km LC Optical Module Guide

The SFP+10G 1310nm 10Km LC optical module is a powerful and versatile solution for high-speed, long-distance data transmission. Understanding SFP+ optical modules and their different types helps in

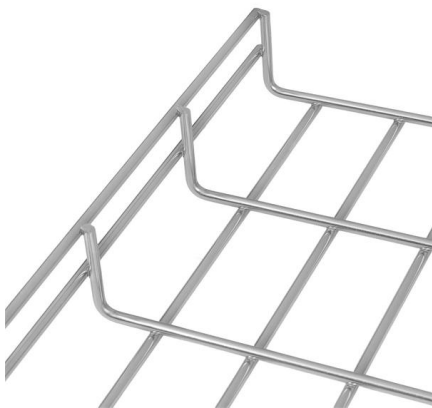
[Contact Us](#)



### SFP+10G 1310nm 10Km LC Optical Module Guide

Advantages of SFP+10G 1310nm 10Km LC Optical Modules The SFP+10G 1310nm 10Km LC optical module offers several advantages that make it an attractive

[Contact Us](#)



### Understanding 1310nm Fiber: A Comprehensive Guide to Optical

Explore the complexities of 1310nm fiber wavelengths in this comprehensive guide. Learn about fiber optics, optical transmission, and more.

[Contact Us](#)



### Fiber Optical Amplifier 1310nm

It is a semiconductor with a fiber-coupled waveguide structure. Two configurations are available: Polarization Maintaining (PM) fiber or Single Mode (SM) fiber input/output. It has two package

[Contact Us](#)



WebiTelecomms Cabling

### 1310nm Single Mode Fiber Optical



## Transceivers Explained

A 1310nm single mode fiber optical transceiver is one of the most widely used optical transceivers in modern fiber-optic networks, especially for short-to-medium distance transmission over single-mode

[Contact Us](#)



## 1310-CWDM-MUX-DEMUX-4(8)-Plug-in-Module-Product-Specification

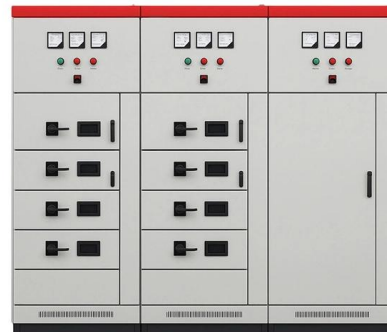
This MUX/DEMUX module plugs into one half of a 1RU, 19" rack mount chassis for simple installation and modularity. This Chassis based system offers network equipment manufacturers a more

[Contact Us](#)

## 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

[Contact Us](#)



## 1310 nm Laser

Description Compact 1310 nm laser is a powerful infrared diode laser module. This wavelength matches one of the water absorption lines and is therefore usable in

[Contact Us](#)



## Contact Us

---

For datasheets, pricing, or custom fiber access solutions, please visit:  
<https://frindel.es>