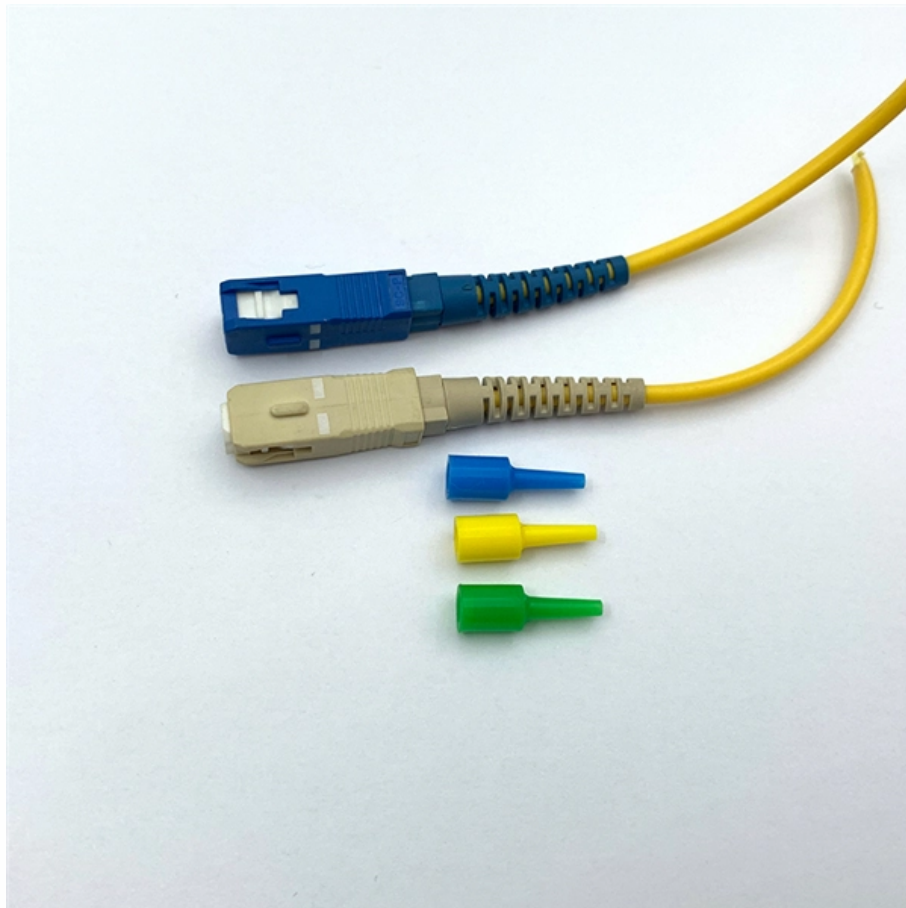


# 850 and 1310 optical modules





## Overview

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The main difference between SFP modules operating at 1310nm and 850nm is the wavelength at which they transmit optical signals. When engineers search for "SFP wavelength," they are typically trying to answer a practical deployment question: Which optical wavelength should I use—850 nm, 1310 nm, or 1550 nm—and why does it matter?

The answer directly affects fiber compatibility, transmission distance, link stability, and. You will also see where 1550nm fits, so you can pick the right optics without buying. These devices, part number PW85ST, are designed to simultaneously transmit and receive over a single optical fiber at frequencies from DC to 200MHz.



## 850 and 1310 optical modules

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### What is the difference between 1310nm and 850nm SFP?

The primary difference between SFP (Small Form-factor Pluggable) modules operating at 1310nm and 850nm is the wavelength of the optical signals they use.

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### Bi-directional Multimode LED 850T/1310R , Ushio

We offer LED-based WDM-style bi-directional transmitter and receiver modules operating in the 850 and 1310nm optical windows. These devices, part

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### 1.25Gbps SFP Transceivers

These SFP transceivers cover applications from short reach (550m) to long haul (120km) distances, with transmitter wavelengths 850nm, 1310nm and 1550nm, or CWDM wavelengths (1470~1610nm).

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### What is the difference between 1310nm and 850nm SFP?

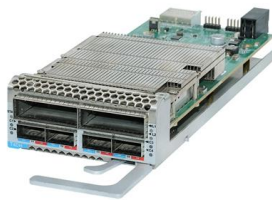
The primary difference between SFP (Small Form-factor Pluggable) modules operating at 1310nm and 850nm is the wavelength of the optical signals they use. The wavelength affects the



### 400G Optical Modules Explained: SR4 Vs. DR4 Vs. FR4

Key differences between SR4, DR4, FR4, and LR4 400G optical modules. Expert advice from Asterfusion engineers to optimize your data center

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### PD PW13ST WDM Multimode 1300nm Transmit/850nm Receive

mitter and receiver modules operating in the 850 and 1310nm optical windows. These devices, part number PW13ST, are designed to simultaneously trans it and re-ceive over a single optical fiber at

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### Short-Reach vs Long-Reach Optical Transceivers: How Far Can They

Short-Reach (SR) Optical Transceivers: where it belongs and how far it goes Short-reach modules are optimized for cost, low power and density. They almost always use 850 nm VCSEL lasers and

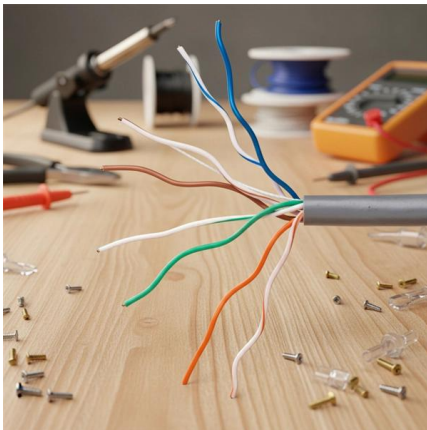
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## Everything You Need to Know About 1310nm Optical

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

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## 850nm vs 1310nm Transceivers: Which Wavelength Wins?

Compare wavelength 850nm 1310nm transceivers for fiber links: performance, reach, cost, compatibility, and troubleshooting for real data center use.

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## BIDI PW85L 850TX 1310TR WDM Multimode Bidirectional Module

PD-LD Inc. is now offering its next generation of WDM style BiDirectional trans-mitter and receiver modules operating in the 850 and 1310nm optical windows. These devices are designed to simulta

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## What is the difference between 1310nm and 850nm SFP module

The difference between SFP modules operating at 1310nm and 850nm primarily lies in the wavelength of the optical signals they use. This difference in wavelength affects the performance

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## What is the difference between 1310nm and 850nm?

Among the various wavelengths utilized, 850nm and 1310nm are two of the most common in fiber optic communication. Understanding the differences between

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## What is the difference between 1310nm and 850nm?

Among the various wavelengths utilized, 850nm and 1310nm are two of the most common in fiber optic communication. Understanding the differences between these wavelengths is crucial for selecting the

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## SFP 850nm vs. 1310nm: Key Differences Explained

Understand SFP 850nm vs 1310nm differences in fiber type, distance, cost, and use cases. Learn which SFP module is right for your network.

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## SFP 850nm vs. 1310nm: Key Differences Explained

In the following sections, we will break down the key differences between 850nm and 1310nm SFP modules, including fiber compatibility, transmission distance, cost structure, and real

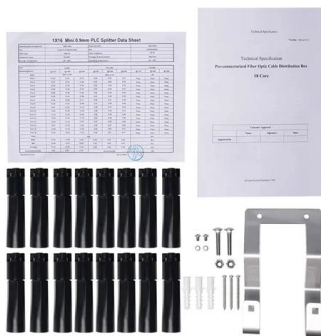
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## Technical Characteristics Of 10G Optical Modules With

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

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## Understanding 1310nm Fiber: A Comprehensive Guide

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

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## What is the difference between SFP 1310nm and

The main difference between SFP modules operating at 1310nm and 850nm is the wavelength at which they transmit optical signals. The wavelength is a critical

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## Cisco XFP vs. SFP vs. SFP+ (2025 Guide): Differences,

Discover the differences between Cisco SFP, SFP+, and XFP optical transceivers -- including speed, wavelength, distance, and compatibility. Learn

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