

Optical module type 1310



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. This makes it widely adopted in data centers, enterprise backbones, and metro access. Upgrade networks with our optical transceiver sfp+ 10g single mode module 1310nm 10km lc. This LC transceiver delivers effortless 10km connectivity for data centers and servers. They are applicable to data center and campus networks, enabling cost-effective, efficient, and high-speed interconnection among. If the SFP-10G-ER-1310 is connected to a 10Gbase-ER standard optical module (1550nm, 10GE, 40km), the maximum transmission distance is only 20km due to different specifications such as wavelength and receiving sensitivity. For. as a result of electrostatic discharge (ESD). A human eyes and lead to permanent eye injuries. In accordance with the CBO policy of continuous improv any Small Form Factor Pluggable+ (SFP+) port. You can install the BO35J13610D.



Article Content

10G SFP+ LR 1310 nm 10 km Optical Transceiver

The 10G SFP+ LR 1310 nm 10 km Optical Transceiver Module delivers carrier-grade performance for 10 Gigabit Ethernet links up to 10 km over ITU-G.652

Optical Transceiver: SFP vs SFP+ vs QSFP28 vs QSFP-DD

Understanding Optical Transceiver Types Before comparing these modules, it's important to understand what each type represents and how they fit into modern network

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

This makes 1310nm SFP modules ideal for links typically ranging from 10km to 40km, depending on the specific module type and optical budget. As a result, “1310nm fiber optic SFP” has become a

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

Single-Mode Vs Multimode Optical Modules: Detailed Differences

Wavelength and transceiver technology Multimode optical modules commonly operate at 850 nm (VCSEL-based) for short-range links; some multimode transceivers also use 1310 nm for medium

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

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

BTON 100G Fiber QSFP28 Module 1310nm 40km LR4 LC LAN-WDM4 1295~1310 ...

Product descriptions from the supplier Report abuse Product Description Product Name BTON Type Fiber Optic Transceivers Model Number BT-QSFP28-ER4 Date Rate 100G Features Hot Pluggable

Applications of 1310nm Optical Modules in Modern Networks

Introduction 1310nm optical modules, especially in single-mode (SMF) form, play a foundational role in many network types—offering a blend of cost-effectiveness, low chromatic

Everything You Need to Know About 1310nm Optical

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

SFP+ 10G 1310nm Singlemode Optical Transceiver

8. Digital Diagnostics / Digital Optical Monitoring The transceiver provides serial ID memory contents and diagnostic information about the present operating conditions by the 2-wire serial interface (SCL,

Optical Module Chip Market 2025

The Global Optical Module Chip market was valued at US\$ 823 million in 2024 and is projected to reach US\$ 1.52 billion by 2032. Segmentation Analysis: Detailed breakdown by product type (Laser &

Buy MWDW Module 1310/1550nm Wideband FPM76/WDM Series for Optical ...

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

What does an optical module do?

These modules are widely used in data centers, enterprise networks, telecommunications infrastructure, and other applications where high-speed data transfer is essential. To better understand the role and

Cisco CWDM-SFP-1310 1000BASE-CWDM SFP (mini

The hot-swappable 1G SFP transceivers feature low power consumption and

10 Gigabit Optical Transceivers | SFP+ and XFP

Perle 10 Gigabit Optical Transceivers are interchangeable, compact media connectors and enable a single network device to connect to a wide variety of

SFP+ singlemode 1310nm Transceiver

Optische SFP+ Transceiver Module singlemode 1310nm für 10 Gigabit Ethernet sind für kurze bis mittlere Übertragungsstrecken (2km bis 40km) über singlemode LWL Glasfaser geeignet.

Plusoptic SFP28-LR-PLU network transceiver module Fiber optic

SFP transceiver type: Fiber optic Product details SFP28-LR-PLU PLUSOPTIC 9350888026250 Plusoptic SFP28-LR-PLU network transceiver module Fiber optic 25000 Mbit/s 1310 nm £ 142.99

optical transceiver sfp+ 10g single mode module 1310nm 10km lc

The 1310nm LC Interface 10G Singlemode Dual-fiber Optical Module is the workhorse of the modern network. It combines speed, distance, and reliability into a compact package.

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

Dell networking transceivers and cables

All optics and cables released by Dell Networking have passed comprehensive optical analytics check as well as an extensive dynamic test suite. Dell-labeled optics are warrantied alongside the Dell

10GE SFP+ Optical Modules

If the SFP-10G-ER-1310 is connected to a 10Gbase-ER standard optical module (1550nm, 10GE, 40km), the maximum transmission distance is only 20km due to different specifications such as wavelength

Singlemode 1310 nm Fiber Optic Transmitters, Receivers, Transceivers

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

Single-Mode vs Multimode Fiber and 1300nm/1310nm SFP

Understanding the differences between 1300nm and 1310nm SFP transceivers is essential for ensuring compatibility and performance in fiber optic deployments. Although the wavelengths are very close,

GPFD Service Board GPFD price and specs epfd

GPFD Service Board Product Features 16-GPON Port Interface Card with B+/C+/C++ SFP module Apply to Huawei MA5683T, MA5680T, MA5608T OLT

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

The XG-SFP-LR-SM1310 is aligned to IEEE 10GBASE-LR optical specifications and supports a link length of up to 10 kilometers over a single-mode fiber (SMF) with an LC connector.

Optical Module Encapsulation Types

XFP/SFP+ Optical Module A 10G small form-factor pluggable (XFP) module is a standard, hot-swappable, protocol-independent, and high-speed optical module defined by industry organizations.

1.6T OSFP 2xDR4/DR8, 1310nm, 500m, DDM, CDR,

The MJ-OSFP1.6TB-DR8 is a cost-effective, high-performance OSFP module tailored for AI datacenter applications, delivering an aggregate throughput of 1.6

Contact Us

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