1310nm Multimode 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. This makes it widely adopted in data centers, enterprise backbones, and metro access. Among the most commonly used fiber types are single-mode fiber (SMF) and multimode fiber (MMF), often paired with 1310nm SFP modules for high-speed data transmission. In this guide, we will explore the distinctions between 1300nm and 1310nm transceivers, examine the characteristics of SMF and MMF. 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. A two-fiber otpical transceiver with an SFP form factor for 1G Ethernet complies with the 1000Base-SX standard. Designed to work in multimode optical fiber (Multi mode fiber, MMF), maximum range 2km when using OM2+ cable, optical budget 12dB, LC connector, operating wavelength 1310nm. DDM function. The BO05A136 100BASE-FX LC Duplex SFP compatible with Standard Code (Cisco) has a receiving function (receiver with 1310nm) and a transmitting function (transmitter with 1310nm) for the transmission of optical signals via multimode fiber, taking the respective transmission protocol into account. Pricing (USD) Filter the results in the table by unit price based on your quantity. A tariff of 10% may be applied if shipping to the United States.

Article Content

100G QSFP28 SR4 vs LR4 vs CWDM4: The Architect''s Selection Guide

Selecting the wrong 100G optical module is a silent killer of data center ROI, leading to cascading failures in port density, thermal headroom, and cabling lifecycle. Technically speaking,

1G 1310nm 2km SFP SX Transceiver Module

It supports dual data-rate of 1.25Gbps/1.06Gbps and 2km transmission distance with 50/125μm multi-mode OM2 fiber. This 1G SFP SX transceiver module fully

Cisco Compatible Optical Modules Catalog

ing of parameters such as optical output power temperature, and bias current. This architecture integrates advanced retiming and clock data recovery (CDR) circuits for high-speed modules (10G

SFP Wavelength Guide: 850nm vs. 1310nm vs. 1550nm

1310nm SFP singlemode modules provide a practical and reliable solution for 10–20 km transmission in campus and metro environments, offering

SFP Optical Transceiver Modules for Long Distance: A Complete

Discover everything you need to know about SFP optical transceiver modules for long-distance fiber transmission. Compare LX, EX, ZX models and choose the right module for your

Fiber Optical Transceiver Module Manufacturer,

10G Transceiver BIDI SFP+ designed for bi-directional 10G serial optical data communications. CWDM SFP+ operating at 1270-1610nm CWDM wavelengths

InLine® SFP Modul LWL FX 1310nm Multimode mit LC Buchsen,

Das InLine® SFP Modul FX ermöglicht 100Mb/s-Datenübertragungen über Multimode-Glasfaser bis zu 2 km. Ideal für klassische 100BASE-FX-Anwendungen in Unternehmensnetzwerken und Rechenzentren.

Multimode Transceivers 1310 nm Fiber Optic Transceivers

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

Optical Module SFP-GE-SX-MM850 1.25G SFP Dual LC 55m Multimode

Optical Module SFP-GE-SX-MM850 1.25G SFP Dual LC 55m Multimode for Huawei/Cisco/H3C/Other AI Computing/HPC/Data Center

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,

The Future of Telecommunications: Next-Generation Coherent Optical Modules

However, emerging technologies such as AI, cloud computing, and 5G require even greater capacity. For this reason, telecommunications companies are increasingly turning to coherent fiber

Datasheet Archive: GP-22A OPTICAL POWER METER datasheets

View results and find gp-22a optical power meter datasheets and circuit and application notes in pdf format.

Elfcam® – ELF6800 OTDR Single-mode 1310nm / 1550nm and Multi-mode

Elfcam ELF6800 OTDR single-mode 1310nm/1550nm and multimode tester. EU standards, 10-year warranty, France stock, fast delivery and 24/7 support.

800G Optical Modules Explained: Standards, Types

Discover everything about 800G optical modules—standards, packaging, types & applications. Learn how they power AI, HPC & next-gen data

Module SFP 1.25G SX, 1310nm, MMF, 2km (12dB) DDM

Designed to work in multimode optical fiber (Multi mode fiber, MMF), maximum range 2km when using OM2+ cable, optical budget 12dB, LC connector,

10Mb/s Multimodde 1310nm 2km SC/FC/ST 1x9 TTL

They are high-performance, cost-effective optical transceiver modules with a TTL data interface that supports a data rate of 10Mbps and a 2km transmission

Bidirectional SFP Modules/Transceivers

Versitron offers single-mode and multimode Bidirectional SFP Modules suitable for point-to-point networking, metro access ring, PON, and FDDI. Get IEEE

Offizieller BlueOptics SFP Hersteller

Kaufen Sie BlueOptics SFP, SFP+, QSFP und QSFP28 Transceiver, DAC und AOC Kabel direkt ab Lager. Versand heute.

Can 1310nm be used for multimode□

Yes, 1310nm can be used for multim optical communication. This wavelength is commonly used for both single-mode and multimode fiber optic systems.

100BASE-FX SFP 2KM 1310nm BlueOptics Transceiver

The BO05A136 100BASE-FX LC Duplex SFP compatible with Standard Code (Cisco) has a receiving function (receiver with 1310nm) and a transmitting function (transmitter with 1310nm) for the

Multimode 1310 nm Fiber Optic Transmitters, Receivers, Transceivers

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

SFP+ Optical Transceiver Modules (10G-SR/LR)

Amphenol SFP Optical Modules • SFP+ Optical Modules from Cables on Demand are Now Available in both Short Range (SR) Multimode and Long Range (LR)

Mini Multimode OTDR ELF-2900-M, for 850nm MM Fiber Optic Test,

Mini OTDR Multimode ELF-2900-M for 850nm MM fiber optic testing. EU standards. 10-year warranty, French stock, fast delivery, 24/7 expert support.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://www.mr-security.co.za
Email: info@mr-security.co.za
Phone: +33 1 45 23 67 81
Address: 10 Rue de la Paix, 75002 Paris, France

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