

L4 1 transmission distance of optical module



Overview

Transmission Technology: The module is designed for bidirectional data transmission over a single multimode fiber strand. It uses two optical lanes, each capable of 50Gbps, to transmit and receive data simultaneously.

Transmission Distance: Up to 500 meters using single-mode fiber. The CS13D-12F-3L-Tx-LD is a 622Mbps SFP transceiver designed for L4. It is cost-effective, consumes low power, and.

Huawei OSN1500B 2500 1-port STM-4 622M optical interface board SSR1SL411 equipped with 1 L-4. In order to avoid hardware malfunction, each equipment will be. The FiberHTT HSP3124-L4 1. SR and LR modules use different fiber types, wavelengths, and optical power levels to achieve their target ranges. Understanding their typical distance.



Article Content

Dec 30, 2025

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.

Sep 29, 2025

SFP, 622Mbps, OC12-LR1, SDH STM L4.1, SMF,

Every SFP-OC12-SM13-40KM module is environmentally tested in its specific port/platform, which includes

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What is the maximum distance for SFP?

When selecting an SFP module for a specific application, always refer to the manufacturer's specifications and

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Understanding SR/LR Optical Designations and Distances

The effective transmission distance of optical modules determines how far data can travel while maintaining signal integrity and

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Fiber Optic Cable Distance: A Comprehensive Guide

In this blog, I will discuss the fiber optic cable distance, the effect factors, how to choose the

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Understanding the Transmission Distance of Optical

Extended Range (ZR) Application Field: ZR modules are at the forefront of ultra-long

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Multimode fiber: OM1 vs OM2 vs OM3 vs OM4

In 10 Gb/s Ethernet using 850 nm VCSEL, the fiber transmission distance can reach 300 m. OM4 is an upgraded

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Basic Knowledge Of Optical Module Transmission Distance

Generally, short-range modules can reach up to 2 km, medium-range modules range from 10 km to 20 km, and long-range modules

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The Evolution of Optical Modules: Powering the Future

Enter optical modules, which leverage the power of light to transmit data efficiently over long

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Wavelength and Transmission Distance of Optical Transceiver Modules

The price of the optical sources and signal converters that are paired with 850nm optical transceiver modules is far lower than the

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100G Optical Module: How to Choose Between SR4,

Long-distance modules (e.g., LR4/ER4) may have higher costs but offer reliable

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SSN2SLQ4 (L-4.1,LC)

SSN2SLQ4 (L-4.1,LC) is a 4-ports STM-4 optical interface board, can be used on Huawei OSN1500B, OSN2500, OSN3500,

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What are the factors that affect the transmission distance of optical ...

The quality of the optical module's conversion of optical and electrical signals depends greatly on its internal light

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The relationship between wavelength and transmission distance of ...

The transmission distance of optical modules is divided into short distance, medium distance, and long distance.

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Explanation of Optical Module Parameters

Considering that some newcomers to optical modules may not understand the letters on the optical module or the

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Optical module selection for long-distance transmission

In long-distance transmission, single-mode optical modules are the first choice due to their smaller core diameter and

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Overview of QSFP28 LR4 Optical Transceiver

Discover FS's QSFP28 100G LR4 optical transceiver, offering low power consumption, perfect compatibility, and

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Optical Fibre Transmission Distance

Optical Fibre Transmission Distance ... The Standard Gigabit table covers the "First Window" of operation and this equates to

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100G Optical Module: How to Choose Between SR4, DR4, FR4, LR4,

100G Optical Modules" Transmission Standards 1.100GBASE-SR4 Transmission Distance: Up to 100 meters using

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1.25G SFP Duplex 40km DDM Transceiver LC Optical module

The FiberHTT HSP3124-L4 1.25G SFP Duplex 1310nm 40km DDM transceivers are high performance, cost effective modules

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FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

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Optical module transmission distance and related classification

However, the transmission distance of the optical module is not as far as possible, and appropriate solutions should

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Designing a Module for High-Speed Optical Communication

The ultimate goal for all-optical connectivity with an ultra-high F5G bandwidth is to increase transmission rates. Optical modules —

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SU67AB-60

Buy high quality SFP L4.1, 622Mbps, 1310nm, 60km, DDM optical transceiver SU67AB-60 online with worldwide delivery from

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CS13D-12F-3L-Tx-LD 622Mbps L4.1 1310nm Single-mode 50km SFP

The SFP transceiver module provides 50km transmission distance over single mode fiber at nominal wavelength of 1310nm. The

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Exploring the Correlation Between Optical Module Wavelength and ...

This article delves into the correlation between optical module wavelength and transmission distance, shedding light

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SFP Distance Explained: Real-World Range, Limits, and Optics

Understand SFP distance, fiber optic range, and real-world limits of SR/LR modules. Learn how wavelength, fiber

May 27, 2026

SSR1SL4 (L-4.1,LC)

Apply to Huawei OSN 1500B, OSN 2500 to transmit and receive 1xSTM-4 optical signals, at 15~40km. Supports the

Contact Us

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