

# Maximum transmission distance of 155M optical module



## Overview

Over multimode fiber, the transceiver can reach distances up to 2 kilometers, providing reliable connectivity for campus and enterprise network deployments. Supporting 2km transmission over multimode fiber at 1310nm wavelength, this dual-rate 100/155M SFP module provides 14 dB link budget with speeds from 100-155Mbps. 3u compliant with LC/UPC connectors, ideal for legacy Fast Ethernet and OC-3/STM-1 applications. Distance depends on the optical budget and fiber quality. This product need to use in pair and match up with fiber converter and optical Ethernet switch with SFP port, it can be used in Ethernet, telecom and. the system also can disable the module via I2C. Loss of signal (LOS) output is provided to indicate the loss of an input optical signal of receiver or the link status with partner. The system can also get the LOS (or Link)/D. The SFP transceivers are high performance, cost effective modules supporting 155Mbps data-rate and 2km transmission distance with MMF.



## Article Content

### 155M SFP Transceiver Module: Specs, Types & Buying Guide

A 155M SFP transceiver module is a low-speed optical module designed for 155Mbps (STM-1 / OC-3) transmission in SDH and SONET networks. Despite the dominance of Gigabit and 10G optics, 155M

### OptoIC Products Brochure

OptixCom's BIDI transceivers utilize advanced filter optics to separate the two wavelength with more than 45 dB of isolation. The products use industry standard 2x5 SFF pluggable package. These

### Fiberworks Data Sheet

DESCRIPTION The SFP-155M transceiver family are small form factor pluggable modules for bi-directional serial optical data communications such as SONET/SDH OC-3/STM-1 or Fast Ethernet.

### Wavelength and transmission distance of optical modules

2) 1310nm: fiber to 1310nm attenuation of about 0.35dB/km, with multimode, the farthest transmission distance distance of 2km, with single-mode

### 100M/155M SFP 1550nm 150km Optical Transceiver

Description The SFP transceivers are high performance, cost effective modules supporting data-rate of 155Mbps and 150km transmission distance with SMF.

### 400G Optical Transceivers in Long-Distance & High

Solution: Multiple 400G Transceivers Meet Different Transmission Needs NADDOD offers solutions for long-distance and high-capacity 400G

### 100M/155M SFP 2□150km Optical Modules (Industrial Grade

100M/155M SFP 2□150km Optical Modules (Industrial Grade Optional) GIGALIGHT's 100M SFP series optical transceiver modules are extensively used in Fast Ethernet (100M Ethernet) and are

### What Are the Key Parameters of Optical Modules

Understand the key parameters of optical modules, including transmission rate, distance, wavelength, and fiber compatibility, for better network

### 100M/155M SFP 1310nm 2km Optical Transceiver

The SFP transceivers are high performance, cost effective modules supporting 155Mbps data-rate and 2km transmission distance with MMF. The transceiver consists of three sections: a FP laser

## 100BASE-FX SFP Transceiver | 2km MMF

EDGEOPTIC 100BASE-FX SFP transceiver: 2km multimode fiber, 1310nm wavelength, 14dB link budget, 100-155Mbps. Fast Ethernet and OC-3/STM-1

## OC-3/STM-1 SFP 120km | Maximum Reach | EDGEOPTIC | EDGE Optical

EDGEOPTIC OC-3/STM-1 SFP 120km transceiver: 120km single-mode fiber, 1550nm wavelength, 34dB link budget, 155Mbps. Maximum reach telecom solution.

## Wavelength and Transmission Distance of Optical

Under 1550nm wavelength, 100Mbps and 1Gbps optical transceiver modules can transmit up to 160km, and 10Gbps optical transceiver modules can transmit up to

## OC-3/STM-1 SFP 150km Transceiver

EDGEOPTIC OC-3/STM-1 SFP 150km transceiver: 150km single-mode fiber, 1550nm wavelength, 36dB link budget, 155Mbps. Ultimate telecom backbone solution.

## Exploring the Correlation Between Optical Module Wavelength and ...

This article delves into the correlation between optical module wavelength and transmission distance, shedding light on the complexities that impact the efficiency of data transmission.

## 155M SFP Optical Transceiver 40KM Reach Features

Data-rate of 155Mbps operation 18 CWDM DFB wavelengths laser and PIN photodetector for 40km transmission Compliant with SFP MSA and SFF-8472 with duplex LC receptacle Digital Diagnostic

## How to Estimate an Optical Module's Transmission

Optical modules distinct from one another in their transmission distance, a feature that should be taken into account in addition to other

## DDM SFP Module 155M Optical Transceiver

DDM SFP Module with a 1310nm Fabry-Perot laser transmitter and a long 20km transmission range over single-mode fiber (SMF), this transceiver is designed to

## JFOPT SFP 155M 1550nm LC DX Series Single-Mode Optical Module

The JFOPT SFP 155M 1550nm LC DX Series Single-Mode Optical Module is designed for long-distance duplex communication, supporting ultra-long transmission distances of 15km to 200km. It is suitable

## 155M SFP 20km 1310nm TX / 1550nm RX Single Mode Transceiver

The SFP transceivers are high performance, cost effective modules supporting data rate of 125Mbps/155Mbps and 20km transmission distance with SMF. The transceiver consists of three

## 155M SFP Optical Transceiver

High speed I/O for file servers . Bus extension applications Description: The Small Form Factor Pluggable (SFP) transceivers are compatible with the Small Form

## Exploring the Correlation Between Optical Module

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

## OptoIC Products Brochure

The BIDI transceivers utilize advanced filter optics to separate the two wavelength with more than 40 dB of isolation. These transceivers operate at 155 Mb/s for 10 - 40 km transmission distance with single

## 155M SFP BIDI Optical Transceiver Module

Depending on the variant, the 155M SFP BIDI supports distances typically ranging from 20km to 120km over single-mode fiber (SMF). Distance depends on the optical budget and fiber quality.

## SFP Optical Module 155M Single Optical Fiber 20km

This is a standard SFP optical module. It uses a single mode optical fiber and the speed rate can up to 155Mbps, transmission distance up to 20km.

## The relationship between wavelength and transmission

When paired with multimode, the maximum transmission distance is 2km, and when paired with single-mode, the maximum transmission distance is 40km. At 1310nm

## 100M/155M SFP 2□150km Optical Modules (Industrial Grade

GIGALIGHT's 100M SFP series optical transceiver modules are extensively used in Fast Ethernet (100M Ethernet) and are compatible with Synchronous Optical Networks (SONET OC-3 /

## Contact Us

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