

What does 155m for an optical module mean



Overview

A 155M SFP is an optical SFP module designed to transmit data at a fixed rate of 155Mbps, primarily used in SDH STM-1 and SONET OC-3 networks. Despite the dominance of Gigabit and 10G optics, 155M SFP modules are still actively purchased today—not as legacy leftovers, but as deliberate, cost-efficient. Among the widely used options, 155M SFPs—often referred to as OC-3 or STM-1 transceivers—are a standard for low to medium-speed optical communications. These transceivers are used in applications such as SONET (Synchronous Optical Network), SDH (Synchronous Digital Hierarchy), and Ethernet-based. 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. The modules are hot pluggable and digital diagnostic functions are available via an I2C serial bus specified in the SFP MSA. trical or optical. CWDM; Transceiver type for CWDM applications using G 94. Electrical cable. 155M SFP Optical Transceiver Module is a CZT fiber optic and SFP interconnect product for data center, telecom, and optical networking programs. It is supported by local product imagery.



Article Content

Wavelength and Transmission Distance of Optical

The price of the optical sources and signal converters that are paired with 850nm optical transceiver modules is far lower than the prices of 1310nm and 1550nm

SO-SFP-155M-O-Cxx-E

LC, E-temp OVERVIEW The SO-SFP-155M-O-Cxx-E is an SFP form-factor transceiver for OSC (Optical Supervisory Channel) and OTDR (Optical Time Domain Reflectometer) applications. The transceiver

SFP 155M 1310nm Single mode 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,

155M/622M/2.5G Optical Transceivers

Displayed 155M, 622M, 2.5G three rate products, product type SR0, SR/IR, BIDI, LR1, LR2, IR1, IR2, product rate covers 15km to 80km range.

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

What Is a 155M SFP Transceiver Module? A 155M SFP is an optical SFP module designed to transmit data at a fixed rate of 155Mbps, primarily used in SDH STM-1 and SONET OC-3 networks.

155M SFP Optical Transceiver 40KM Reach Features

The optical output can be disabled by a TTL logic high-level input of Tx Disable, and the system also can disable the module via I2C. Tx Fault is provided to indicate that degradation of the laser. Loss of

155M Duplex

This is a standard SFP optical module. It uses two multi-mode optical fibers, the speed rate up to 155Mbps and the transmission distance up to 2km.

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.

Fiberworks Data Sheet

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.

SFP 155M Transceiver Module

Our SFP optical transceiver modules have 155Mbps, 622Mbps, 1.25Gbps, 2.5Gbps and 10Gbps respectively. We also have multi rate SFP modules from 155Mbps.

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 Single-Mode | SC Connector_1x9_Optical

The series is high performance module for dual fiber communications by using 1310 nm transmitter and 1310 nm receiver. The transceiver is provided with the SC

Demystifying Optical Transceivers: Your Top FAQs

FAQ Summary of optical modules: answers on types, compatibility, design, troubleshooting, and glossary for 2025 network upgrades and maintenance.

155M SFP Optical Transceiver Module

155M SFP Optical Transceiver Module is a CZT fiber optic and SFP interconnect product for data center, telecom, and optical networking programs. It is supported by local product imagery.

OPB155-35(53)80xxR 155M SFP BIDI 80km Transceiver Data Sheet

Optcore's OPB155-xx80xxR is a small form factor pluggable (SFP) Bi-Directional transceiver module for duplex optical data communications such as 100BASE-BX80 Fast Ethernet and 155Mbps SDH STM

DDM SFP Module 155M Optical Transceiver

DDM SFP Module 155M Optical Transceiver Short Description: The 155M DDM SFP Module offers Digital Diagnostic Monitoring (DDM) for real-time performance

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

Understanding 155M SFP Transceivers | Carritech Optics

This article explains what 155M SFP transceivers are, how they work and the applications that they are particularly useful for.

155Mbps Duplex Fiber SFP Transceiver

The diagnostic information with internal calibration or external calibration all are implemented, including received power monitoring, transmitted power monitoring, bias current monitoring, supply voltage

What Does "nm" in SFP Mean?

What Does "nm" in SFP Mean? Understanding nm in SFP The abbreviation "nm" stands for nanometer, a unit of measurement equal to one billionth of a meter (1

155M SFP Optical Transceiver

GE FE SFP Fiber Optical Modules Home Products 155M SFP Optical Transceiver

155M SFP Optical Transceiver 40KM Reach Features

Optical Characteristics The following optical characteristics are defined over the Recommended Operating Environment unless otherwise specified. ... Input Saturation Power (Overload) PSAT -9

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

155M Single-Mode_SFP_Optical Transceivers_Products

The PT1-S1-4203x of Small Form Factor Pluggable (SFP) transceiver module is specifically designed for high performance integrated duplex data link over single

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.

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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.

The relationship between wavelength and transmission

The transmission distance of optical modules is divided into short distance, medium distance, and long distance. Short distance transmission usually refers to

OPTICAL TRANSCEIVERS

SFP modules The MSA Compliant Small Form-Factor Pluggable (SFP) modules allows for an optical or electrical interface when using a managed switch, unmanaged switch or media converter. These

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