SFP optical module single fiber 80km



Overview

An SFP+ 10G ZR transceiver is a long-reach 10GbE optical module designed to deliver stable point-to-point transmission over up to 80km of single-mode fiber. This module is designed for single mode fiber and operates at a nominal DWDM avelength from 1528nm to 1566nm as specified by the ITU-T. It runs at 1550 nm with a 23 dB link budget and supports rates from 1. 32 Gbps, covering 10GbE, Gigabit Ethernet, Fibre Channel, and STM-64. If your network requires long-distance point-to-point connectivity—such as metro links, inter-data-center connections, or telecom access layers—SFP+ 10G ZR is often the only viable 10G solution without. Among the optical solutions designed for extended reach, SFP 80km modules are widely used to support stable Gigabit Ethernet transmission over single-mode fiber across long spans without intermediate amplification.

Article Content

10G SFP+ 80 km DWDM Optical Transceiver Datasheet

10G SFP+ 80 km DWDM Optical Transceiver Datasheet Overview The T1-SFP-10G-DWDM80-Cxx is a high performance, cost effective module supporting d. ta rate of 10Gbps and 80km transmission

SFP+ 10G ZR Selection Guide: 80km Single Mode Transceiver

An SFP+ 10G ZR transceiver is a long-reach 10GbE optical module designed to deliver stable point-to-point transmission over up to 80km of single-mode fiber. It fills the distance gap where standard 10G

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SFP 80km Modules: Performance Analysis of Premium Optics

Explore how SFP 80km optical modules deliver reliable long-distance fiber connectivity. Learn key specifications, performance metrics, and deployment insights.

SFP Single Mode LC Module (80km)

TRENDnet''s SFP Single Mode LC Modules are compatible with standard SFP slots found on network switches and fiber converters. Each single mode SFP transceiver is equipped with a duplex LC fiber

SFP-S80-T Gb Fiber SFP Module, Single Mode 80KM | Antaira

The SFP-S80-T is a high performance and cost-effective module for serial optical data communication applications specified for single mode of 1.25 Gb/s. It operates on +3.3V power.

SFP Transceiver

Utilizing LC connectors and operating at a 1310nm wavelength, it enables high-speed data transmission over single-mode fiber for distances up to 80

Optical Transceiver Module|SFP+ 10G Single Fiber

The SFP+ 10G optical module is a high-speed optical communication module that provides a pluggable interface for connecting data

SFP Transceiver

The 1000BASELX SM SFP 80KM is a Gigabit single-mode SFP (mini-GBIC) transceiver with an LC style connector. Operating at a 1550nm wavelength (typically for 80km), it supports 1000BaseLX Ethernet

10G SFP+ module SM 20KM 40KM 80KM TX/RX

The SFP (Small Form-factor Pluggable) Module is a compact and hot-pluggable transceiver used in fiber optic communications. It enables the connection

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the

Hilink Optics QSFP QSFPDD OSFP 10G SFP transceiver, Optical

If you have any questions about Hilink Optics CWDM DWDM QSFP QSFPDD OSFP 10G SFP transceivers,we will give the professional solutions to you.

10G BiDi SFP+ TX1550nm/RX1490nm 70KM LC Optical Transceiver

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Product Description□10G BiDi SFP+ 1490nm/1550nm 70KM LC Optical Transceiver This high-performance bidirectional SFP+ transceiver delivers 10Gbps connectivity over 70km single-mode

The Ultimate Guide to ZTE SFP Module Distance and Wavelength

Introduction: The Critical Role of Optical Transceivers in Modern Networks In the architecture of high-performance enterprise and carrier-grade networks, the optical transceiver is the indispensable

Meaning of Optical Module Pull Tap Colors

BIDI SFP Single-fiber Bidirectional Optical Module Pull Tap Color The characteristic of a single-fiber bidirectional optical module is that it can realize signal transmission in two directions

Wholesale Optical Transceivers Module | 100G QSFP28, 40G QSFP

Optical Transceiver Module|QSFP+ 40G Single Mode Ethernet Transceiver 10km 1310nm Wavelength MPO Optical Transceiver Module|SFP 1.25G Bi Di Module DDM Side B 80km 1550/1490nm

Arista Networks SFP-1G-EX-80 Compatible 1000BASE-ZX SFP 1550nm 80km

Arista Networks SFP-1G-EX-80 compatible optical transceiver is a dual fiber 1000Mbps Small Form-factor Pluggable SFP module for use in 1000BASE Ethernet. SFP ZX provides 1Gb/s throughput up

BiDi SFP: The Complete Guide to Bidirectional SFP Transceivers and ...

BiDi SFP (Bidirectional Small Form-Factor Pluggable) transceivers have emerged as a powerful solution, enabling full-duplex communication over a single optical fiber. By using

Primus Cable SFP Optical Transceiver Modules, Single Mode, GLC

SFP Fiber Transceiver Modules, GLC-BX-U, 1000BASE-BX10-U WDM Bi-Directional, TX1310nm/RX1490nm SMF, up to 10 Kilometers, LC, Cisco Compatible The industry-standard Small

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