

Optical module 1550 40km range 10G



Overview

In order to meet a variety of needs of transmission, the manufacturers launched a variety of categories of optical modules. Below are some common methods to classify them. An Optical transceiver module is the core part of optical communication devices. It uses fiber optical technology to send and receive data through completing the process of optical signal - electrical signal / electrical signal - optical signal conversion. An optical transceiver module consists of two parts: the receiving part and the transmitting. With the rapid development of information technology, the application of optical communication has become more and more popular. With the advantages of large capacity and high-speed transmission, Fiber Optic Transceiver Modules is playing a more and more important role. Where there is fiber, the optical module is needed, and the selection and purchase. When purchasing optical modules, need to confirm whether it can be compatible with your devices. Common switch brands like CISCO, HUAWEI, H3C, Juniper, D-link, HP, IBM, dell, Mikrotik etc., modules need to be tested compatibility before shipment. Before purchasing, it is best to confirm that it can be perfectly compatible with the corresponding brand. The original module is reliable but the price is too high, compatible module is cost-effective, comparable to the original module. Different users need to make specific choices according to the budget.



Article Content

ABPTEL 10G-SFP-ER | 10GBASE-ER SFP+ 1550nm 40km LC SMF

Operating at a 1550nm wavelength, it supports transmission distances of up to 40km over singlemode fiber (SMF) using LC duplex connectors. Built with a DFB laser transmitter and a PIN photodiode

10G XFP ER 1550nm 40km Optical Transceiver

The module, clip and connector dimensions are constant for all applications. While the bezel, cage assembly, EMI gasket and heat sink can be designed and/or adjusted for the individual application.

Shop for 10G SFP+ Optical Transceivers

10G SFP+ Optical Transceivers Tier 1 Optical Components - Tested For Compliance, Performance & Compatibility - Limited Lifetime Warranty

Dual Fiber Module LC SFP Transceiver Hilinktech 10G SFP+ 1550nm

100km SFP+ Transceiver Module LC DDM 10G Bidi 10G Bidi 1490nm / 1550nm

100km SFP+ LC DDM for 5G Data Center The Hilink HL-XFP-10G-BX80-49 & HLSFP-10G-BX80-55 is a very compact

10GBASE-ER SFP+ 1550nm 40km DOM Duplex

Use the Compatibility Tool to verify FS transceiver compatibility with your device

Types of Area Network and How Optical Modules Support Them

In practical deployments, the relationship between area network types and optical modules is closely tied to: transmission distance network bandwidth latency requirements fiber type switch architecture

XG-SFP-ER-SM1550 10GBASE-ER SFP+ 1550-nm 40-km DOM

XG-SFP-ER-SM1550 10GBASE-ER SFP+ 1550-nm 40-km DOM Duplex LC SMF Optical Transceiver Module Applicable to data center and campus networks, enabling cost-effective, efficient, and high

Sfp Modules

1 Pair Single Mode SC Connector Optical Fiber Transceiver BIDI 1.25g SFP Module 1310/1550 5KM/20KM/40KM/60KM/80KM SFP Module ₱550.00 24% Off Voucher save 24% 1.3K sold

Understanding the Cisco SFP-10G-ZR: A Reliable 10G Optical

Discover the Cisco SFP-10G-ZR, a robust 10G optical transceiver module designed for SMF 1550nm applications. Achieve up to 80km connectivity with reliable single-mode fiber performance.

Optical Modules for Huawei S Series Switches

A switch must use optical or copper modules that have been certified for use on Huawei switches. Non-certified optical or copper modules cannot ensure transmission reliability and may affect service

10G Base ER SFP+ Transceiver | 40km SMF | 1550nm

Compatible 10G Base ER SFP+ for 40km single-mode fiber. 1550nm, 15dB budget, IEEE 802.3ae. Works with 80+ brands.

Optical Transceivers / SFP Modules – High-Performance Compatible

Comprehensive Optical Transceivers & SFP Module for High-Speed Networks LINK-PP offers a full range of optical transceivers and SFP module for modern data centers, telecom networks, and

Short-Reach vs Long-Reach Optical Transceivers: How Far Can They

Short-Reach (SR) Optical Transceivers: where it belongs and how far it goes Short-reach modules are optimized for cost, low power and density. They almost always use 850 nm VCSEL lasers and

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OPTICAL MODULE 1675 LAMBDA UNIT OMX10G80 10G/G.709/LANPHY LR-2C/P1L1-2D2/ZR 109577841 AMU-Option card Ethernet Switched 2x E/FE 2x FE/GE and 4x E1 ASC108 109579896

SFP-10G-ER 1550nm 40km DDM Optical Transceiver

In order to use different type of fiber, we also classify optical transceiver modules

SFP Optical Module Specifications: Standards & Performance

A practical guide to SFP Optical Module Specifications, covering data rates, optical budget, Tx/Rx power, DDM/DOM, standards, and deployment best practices.

SFP+ 10G ER transceiver singlemode 1550nm 40Km,

The SFP-1040-ER is a long haul single-mode 10G SFP+ optical module compatible with the 10GBase-ER specifications. It uses a cooled EML laser transmitter at

SFP-10G-ER Explained: Powering 40km 10Gbps Optical

SFP-10G-ER is a 10G SFP+ transceiver for up to 40km over single-mode fiber, featuring 1550nm wavelength, LC connector, and real-time monitoring.

SFP+ 10G-ER/MR 1550nm SM 40km 11.1dB LC

The optical performance is in accordance with the IEEE 802.3ae ER/EW-standard, providing a bridgeable distance of up to 40km for 10GbE-LAN (10GBASE-ER)

10 Gbit/s SFP+ Optical Modules

10 Gbit/s SFP+ optical modules apply to 10 GE optical ports. The wavelength can be 850 nm, 1310 nm, or 1550 nm, and the transmission distance ranges from 0.5 km (0.31 mi) to 80 km (49.71 mi).

Fortinet Transceivers Data Sheet

Transceiver modules can be expensive, especially those with sensitive high-speed optics. Fortinet delivers high-quality transceivers, while keeping cost to a minimum.

What Is an SFP Module? — Complete Guide to SFP, SFP+ & SFP28

This modular approach enhances deployment flexibility, increases port density, and simplifies maintenance compared with fixed, soldered optics. While all SFP family modules share the

The Ultimate Guide to SFP-10G-ZR: Understanding the

Discover the SFP-10G-ZR transceiver module, a Cisco SFP-10G-ZR compatible solution for 80km links using 1550nm SMF fiber, perfect for reliable optical

XG-SFP-ER-SM1550 10GBASE-ER SFP+ 1550-nm 40-km DOM

The XG-SFP-ER-SM1550 is aligned to IEEE 10GBASE-ER optical specifications and supports a link length of up to 40 kilometers over an SMF with an LC connector. It adopts the SFP+ form factor and

10G Base ER SFP+ Transceiver | 40km SMF | 1550nm

Our 10G Base ER SFP+ transceiver extends 10 Gigabit Ethernet connectivity up to 40km over single-mode fiber for long-haul applications. Utilizing 1550nm

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

HUAWEI 10G 1550nm 40km SM SFP module

HUAWEI 10G 1550nm 40km SM SFP module This transceiver is manufactured with high-quality components and tested strictly to meet or exceed original

10G XFP ER 1550nm 40km Optical Transceiver

10G XFP ER optical transceiver of AscentOptics can use for 10G Ethernet and supports a distance of up to 40km over single-mode fiber via a Duplex LC

Contact Us

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