

Gigabit optical module 10km speed



Overview

10GBASE-LR is a 10-gigabit Ethernet optical standard that operates at 1310 nm over single-mode fiber (SMF), supporting link distances of up to 10 km. It is typically implemented using SFP+ transceivers and defined under IEEE 802. The Cisco ® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise wiring closet, and service provider. FS 10GbE SFP+ module solutions provide a wide variety of 10 Gigabit Ethernet connectivity options for data centers, enterprise wiring closets, Internet Service Providers (ISPs) applications. Trusted by 260K+. The 10G SFP+ LR 1310 nm 10 km Optical Transceiver Module delivers carrier-grade performance for 10 Gigabit Ethernet links up to 10 km over ITU-G. Backed by RoHS, CE, and FCC certifications and serial-numbered for traceability, our transceiver meets the highest quality. Shop 10g lr sfp transceivers, including SFP-10G-LR and SFP-10G-LR-X. High-performance 10G LR modules for long-range, reliable network connectivity.



Article Content

Dell networking transceivers and cables

Dell Technologies provides optical and cabling options for each Ethernet speed. Long- and short-range optical connectivity options are suited to a wide range of data center and campus applications. For

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

Powering the Distance: The Critical Role of SFP-10G-ER Modules In the relentless pursuit of higher bandwidth and extended reach for network

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

□ What Is an SFP Module? An SFP module (Small Form-factor Pluggable) is a removable, standardized transceiver that plugs into an SFP cage or slot on networking devices such

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco ® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise

Juniper Networks 740-073093 40GE QSFP+ LR4 Pluggable Optics module

Add to wishlist Share this product I agree with the Couldn't load pickup availability Refresh Request Quote Juniper Networks 740-073093 40GE QSFP+ LR4 Pluggable Optics module | USED HKD

ABPTEL SFP-10G-LR 10G SFP+ Transceiver 1310nm 10km LC SMF

The SFP-10G-LR 10G SFP+ Optical Transceiver is designed for 10 Gigabit Ethernet (10GbE) applications over singlemode fiber (SMF). Operating at a 1310nm wavelength, it supports

10GBASE-LR SFP+ | From €12 | EDGE Optical Solutions

The EDGEOPTIC 10G-SFP-10 is a multi-vendor compatible 10GBASE-LR SFP+ dual-fiber optical module designed for 10 Gigabit Ethernet applications over

Optical Transceivers

Optical transceivers have revolutionized data transmission, providing high-speed, long-distance, and secure data transmission capabilities. Optical transceivers

Ubiquiti 10 Gbps UACC-OM-SM-10G-S-2 | Cendirect Canada

Ubiquiti 10 Gbps Bidirectional Single-Mode Optical Module - For Data Networking, Optical Network - 1 x LC Simplex 10GBase-BiDi Network - Optical Fiber - Single-mode - Gigabit Ethernet - 10GBase-X - 10

10g lr sfp Transceiver | 10km Single-Mode Fiber Module

With a transmission range of up to 10 kilometers, this transceiver is ideal for connecting remote network devices in large-scale enterprise, data center, and metropolitan area networks (MANs).

What Is 10GBASE-LR? SMF 1310nm 10km SFP+ Explained

10GBASE-LR is a 10-gigabit Ethernet optical standard that operates at 1310 nm over single-mode fiber (SMF), supporting link distances of up to 10 km.

10G SFP+ LR 1310 nm 10 km Optical Transceiver

The 10G SFP+ LR 1310 nm 10 km Optical Transceiver Module delivers carrier-grade performance for 10 Gigabit Ethernet links up to 10 km over ITU-G.652

Reyee XG-SFP-LR-SM1310

General Overview The Reyee XG-SFP-LR-SM1310 is an optical transceiver module in SFP+ format designed for 10 Gigabit connections over single-mode fiber (SMF). With a guaranteed range of 10 km

Optical Module Chip Market 2025

Exploding Demand for High-Speed Data Transmission Fuels Optical Module Chip Adoption The insatiable global appetite for faster data speeds is propelling the optical module chip market forward.

Libyan 10 Gigabit Optical Module Manufacturer Buyers & Importers ...

Sell Libyan 10 Gigabit Optical Module Manufacturer in bulk to verified buyers and importers. Connect with businesses actively looking to buy wholesale Libyan 10 Gigabit Optical Module Manufacturer at

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

Gigabit Ethernet

Gigabit Ethernet was the next iteration, increasing the speed to 1000 Mbit/s. The initial standard for Gigabit Ethernet was produced by the IEEE in June 1998 as

Optical Transceivers | Coherent

Get the pluggable module performance you need from the manufacturer of choice for all major networking equipment vendors worldwide.

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 10 kilometers. This module provides a reliable long-reach

10G SFP+ Optical Transceivers | Transceiver Module

FS 10GbE SFP+ module solutions provide a wide variety of 10 Gigabit Ethernet connectivity options for data centers, enterprise wiring closets, Internet Service

DEM-432XT 10GBase-LR SFP+ Transceiver (10 Km)

The D-Link 10GBASE SFP+ Module Series transceivers offer customers a wide variety of 10G Ethernet connectivity options for data centers, enterprise wiring

Cisco SFP vs GBIC vs XFP vs SFP+: A Practical

Learn the differences between SFP, SFP+, GBIC, and XFP modules - speeds, distances, and compatibility, from Network-Switch experts.

MIKROTIK 100GbE QSFP28 Optical Transceiver Module 10km LC

The MikroTik 100 Gigabit product line keeps growing! Add this QSFP module for distances up to 10 kilometers to your CCR2216, CRS504 or CRS518 setups and enjoy real speed and ultimate

HP Aruba NETWORKING 100G LR QSFP28 LC 10KM SMF TRANSCEIVER For Optical ...

About This Item Aruba NETWORKING 100G LR QSFP28 LC 10KM SMF TRANSCEIVER - For Optical Network, Data Networking - 1 x LC 100GBase-LR Network - Optical Fiber - Single-mode - 100

Cisco SFP-10G-LR-X Overview: Specs, Features & Applications

Definition of Cisco SFP-10G-LR-X The Cisco SFP-10G-LR-X is a Cisco-branded SFP+ transceiver module engineered for long-range optical communication over standard G.652 single-mode fiber. It is

XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM

XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM Duplex LC SMF Optical Transceiver Module Applicable to data center and campus networks, enabling cost-effective, efficient, and high

400G Optical Module: Growth Opportunities and Competitive

The 400G Optical Module market is projected to reach \$14.8B by 2025, growing at 11.5% CAGR. Demand from data centers and telecom drives this expansion. Access market growth analysis.

10G SFP+ LR DML 1310nm 10km Optical Transceiver Module

This series uses a pair of single-mode optical fibers with a center wavelength of 1310nm, a distance of up to 10km, and an optional industrial-grade operating temperature range.

A Complete Guide to 1x9 Optical Transceiver Module

Table of Contents In the relentless pursuit of higher speeds and denser packaging, optical transceiver technology constantly evolves. Yet,

Contact Us

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