

LR optical module compatibility



Overview

The LR SFP+ module provides a 10 Gb optical connection using LC connectors and single-mode fiber cable up to 10 kilometers long. For a complete listing of hardware compatible with these modules, see the [Extreme Optics Compatibility website](#). LR matters because. High-speed data transmission in enterprise and data center networks is driven by 10G optical modules. Knowing the key differences, compatible fiber types, and correct. In this article, ETU-LINK will deeply analyze the differences between different 10G SFP+ dual-fiber optical modules from multiple dimensions such as technical parameters, transmission distance, optical fiber type, typical applications, etc. SR, LRM, and LR differ not only in reach, but also in fiber compatibility, laser technology, and typical usage scenarios. The 10G SR optical module is a type of SFP+ package transceiver, where "SR" stands for "Short Range. " It typically utilizes multimode optical fiber (such as OM3 or OM4), with an operating wavelength of. Our story begins in 2010 with the IEEE's release of the 802.



Article Content

SFP+ SR, LR, and ER Modules: Your Definitive Guide to

SFP+ SR, LR, and ER Modules explained: key differences, fiber compatibility, distances, case study, and tips for choosing and deploying reliable

NVIDIA Optical Modules: QSFP-DD/OSFP 800G Solutions,

Explore NVIDIA's 800G optical modules with QSFP-DD and OSFP form factors. Learn about performance specifications, compatibility features, and application scenarios for AI clusters

StarTech Brocade XBR-000182 Compatible SFP+ Transceiver Module ...

Description The XBR-000182-ST is a Brocade XBR-000182 compatible fiber transceiver module that has been designed, programmed and tested to work with Brocade brand switches and routers. It delivers

Battle of the SFP+ Modules: SFP-10G-SR vs SFP-10G

Compare SFP-10G-SR, SFP-10G-LRM, and SFP-10G-LR optical modules in terms of transmission distance, fiber type, wavelength, and

Axiom NetOptics SFP+KT-LR Compatible

Axiom SFP+ transceiver modules are 100% compatible in all OEM applications. They are pre-configured with an application specific code to meet the requirement set forth by the router and switch OEMs.

SFP-10GLR-31: 10G LR Optics Specs and Compatibility

This guide provides a comprehensive technical overview of SFP-10GLR-31, including its specifications, wavelength characteristics, fiber

StarTech J9151E-ST HP J9151E Compatible SFP

The J9151E-ST is a HP J9151E compatible fiber transceiver module that has been designed, programmed and tested to work with HP brand switches and routers. It

Best SFP Modules 2026: Top Picks for 1G, 10G & 25G Networks

Best SFP modules 2026 reviewed. Compare top SFP SFP+ SFP28 transceivers for speed, reach, and compatibility with major brands.

Alcatel-Lucent SFP-10G-GIG-LR Compatible 1000BASE-LX and 10GBASE-LR ...

Alcatel-Lucent SFP-10G-GIG-LR 1000BASE-LX and 10GBASE-LR SFP+ Transceiver module data sheet (SMF, 1310nm, 10Km, LC connector)100% fully tested sold by fiberopticdistribution

10G SFP+ Module, 10Gbase LR Optical Gigabit Ethernet Transceiver

Compatible for Juniper QFX-SFP-10GE-LR / EX-SFP-10GE-LR, and other Open Switch. Widely used in fiber switches, routers, NIC, server or other fiber optic equipments with 10Gb SFP+ ports.

Pluggable Transceivers Installation Guide

The LR SFP+ module provides a 10 Gb optical connection using LC connectors and single-mode fiber cable up to 10 kilometers long. For a complete listing of hardware compatible with these modules,

[Buy StarTech. com Juniper EX-SFP-10GE-LR Compatible SFP+ Module ...](#)

StarTech. com Juniper EX-SFP-10GE-LR Compatible SFP+ Module, 10GBASE-LR Fiber Optical Transceiver that you can order and pay with crypto

Fiber Optic Only SFP-10G-LR Compatible 10GBASE SFP+ 1310nm

For 10 Gb/s LC duplex optical links on single-mode fiber Meets 10GBASE-LR (1310 nm, up to 10 km) specifications with DOM/DDR support Compatible with 10 Gb/s Ethernet ports using the SFP+ form

MMA2L20-AR 25GbE SFP28 LR Transceiver Product

The NVIDIA ® MMA2L20-AR 25Gb/s transceiver module is designed for optical communication applications and is compliant with the IEEE 802.3

Compatible QSFP-100G-LR-S 100G Optical LC QSFP Transceiver Module

When you click on links to various merchants on this site and make a purchase, this can result in this site earning a commission. Affiliate programs and affiliations include, but are not limited to, the eBay

Juniper QSFPP-4X10GD-LR

Engineered for stable long-range data transmission, this transceiver module supports efficient network communication across modern high-bandwidth infrastructures. Built with advanced optical

StarTech XG-LR-ST Brocade XG-LR Compatible SFP+ Module

The XG-LR-ST is a Brocade XG-LR compatible fiber transceiver module that has been designed, programmed and tested to work with Brocade brand switches and routers. It delivers dependable 10

direcXource Generic Compatible SFP-25G-DWDM5252-LR

direcXource's SFP-25G-DWDM5252-LR optical transceiver is a dual fiber 25.8Gbps Small Form-factor Pluggable SFP28 DWDM module for use in 25GBASE Ethernet. SFP28 DWDM5252-LR provides

SFP-10G-SR vs LRM vs LR: Which 10G Module Should

Compare SFP-10G-SR, LRM, and LR modules by distance, fiber type, and cost to find the right fit for your 10G network deployment.

100G LR vs LR4: Key Differences & Applications Guide

Compare 100G LR vs LR4 optical modules. Learn about NRZ vs PAM4 modulation, channel differences, and which module fits your network

Small-Form Factor Pluggable (SFP) and Stacking Accessories

This article provides technical data on Fiber Transceivers and stacking accessories compatible with Meraki devices.

10G Optical Module Selection Guide: LRM, SR, LR, ER, ZR

By deeply understanding the differences and performance of LRM, SR, LR, ER, and ZR optical modules, we can make the right choice among many optical modules, thereby building an

OFC 2026 Special: Arista Leads XPO Launch as Three

Key Technical Highlights of XPO: Extreme Heat Dissipation: Supports up to 400W per module with an integrated cold-plate design, perfectly matching

SFP-10G-LR-1310nm 20km LC DDM Optical Transceiver

What Is SFP-10G-LR-1310nm 20km LC DDM Optical Transceiver Module? SFP-10G-LR-1310nm 20km LC DDM Optical Transceiver Module CISCO, HUAWEI,

How to Choose the Right Optical Transceiver in 2025

Use LR/ER/ZR modules. Distance vs Cost Trade-off: Longer reach modules (LR/ER/ZR) cost more, but save on intermediate gear. Step 3 – Cisco vs

Contact Us

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