

Optical module LRM



Overview

LRM means Long Reach Multimode, these transceivers support distance up to 220m over multi-mode fiber and use 1310nm lasers. Each module is designed for different fibre distances and environments, making it important to understand their characteristics before selecting the appropriate option for your network. SFP refers to a small form-factor module that can be hot-pluggable. 10GBase-SR is the original multimode optics specification and is still by far the most commonly used. 10GBase-SR it uses a single, low-cost solid-state laser assembly, it is also. A 10GBASE-LRM SFP module is designed to deliver 10G Ethernet over legacy multimode fiber, solving a common problem in enterprise and data center networks: achieving longer reach without replacing existing cabling. It fills the gap between short-reach 10G SR optics and long-reach single-mode. However, facing the numerous models on the market, such as LRM, SR, LR, ER, ZR and other optical modules, how to choose the most suitable module becomes a key issue. In this article, ETU-LINK will deeply analyze the differences between different 10G SFP+ dual-fiber optical modules from multiple. There are currently many models of SFP+ optical modules on the market, such as SFP-10G-SR optical modules for multi-mode transmission, SFP-10G-LR optical modules for single-mode transmission, and SFP-10G-LR optical modules that can be used for both single-mode transmission and SFP-10G-LRM optical. Deploying a 10G network requires careful selection of optical transceivers to ensure performance, cost efficiency, and compatibility. Among the most widely used 10G SFP+ modules are SR (Short Reach), LR (Long Reach), and LRM (Long Reach Multimode).

Article Content

Hot

StarTech JD093A-ST HP JD093A Compatible SFP+ Module

The JD093A-ST is a HP JD093B compatible fiber transceiver module that has been designed, programmed and tested to work with HP brand switches and routers. It delivers dependable 10 GbE

Feb 17, 2026 Hot

Huawei OPTICAL MODULE SFP+ Price

Huawei OPTICAL MODULE SFP+ price from Huawei price list 2022, Huawei router price, Huawei switch price

Feb 03, 2026 Hot

How To Choose The Right 10g Sfp+ Module: Sr, Lr, Or Lrm?

And what is the difference between SFP-10G-LRM optical module and SFP-10G-LR optical module? In this article, I will introduce the differences between them and help you choose the best SFP module

Apr 30, 2026 Hot

StarTech Cisco SFP-10G-LRM Compatible SFP+ Transceiver Module ...

The SFP10GLRMST is a Cisco SFP-10G-LRM compatible fiber transceiver module that has been designed, programmed and tested to work with Cisco™ brand switches and routers.

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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 right

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X2-SFP 10G X2 To SFP+ Converter X2 Optical Module 300m-80km

X2 to SFP Converter Support on many platforms using Xenpak interfaces Compatible with Xenpak MSA Hot Pluggable Distance from 300m up to 80km Power dissipation< 2W Digital Diagnostic Monitoring

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Aico Ei3024 Mains Interlinked Optical Smoke & Heat Multisensor

Aico Ei3024 Mains Interlinked Multisensor Detector The Aico Ei3024 is a mains powered optical smoke & heat detector. This unit can be interlinked with other Aico devices using either a hard-wired cable

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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.

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Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your network.

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

In the construction of high-speed networks, 10G optical modules are core components of data centers, enterprise networks, and telecommunication networks. However, facing the numerous

May 11, 2026 Hot

What Is DDM/DOM in Optical Transceivers and Why It Matters

What Is DDM/DOM in Optical Transceivers Digital Diagnostic Monitoring (DDM), also commonly called Digital Optical Monitoring (DOM), is the standardized capability inside modern optical transceivers

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10Gtek 10GBase-LRM SFP+ Transceiver, MMF MultiMode LC Fiber Optic ...

Buy 10Gtek 10GBase-LRM SFP+ Transceiver, MMF MultiMode LC Fiber Optic Module, up to 220m, for Cisco SFP-10G-LRM, Meraki MA-SFP-10GB-LRM, Ubiquiti UniFi, Netgear, Supermicro, TP-Link and

Aug 21, 2025 Hot

Optics Compatibility Matrix

When everyone and everything is connected, anything is possible. Build network access that's wireless-first, cloud-driven, data-optimized, and highly secure.

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How to Choose the Right 10G SFP+ Module: SR, LR, or

Deploying a 10G network requires careful selection of optical transceivers to ensure performance, cost efficiency, and compatibility. Among the

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Price QSFP28 optical module 10G online manufacture

CISCO optical transceiver module SFP 10G LRM 10GBASE-LRM SFP Module in stock
part number details SFP-GE-LX 1.25G SFP 1310nm 10KM SFP-GE-T 1000BASE SFP
100M RJ45 SFP-10G-LR

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10GBASE-LR vs. 10GBASE-LRM: Key Differences and

Learn the differences between 10GBASE-LR and 10GBASE-LRM transceivers, including distance, fiber type, and applications of LINK-PP 10G

Jun 07, 2026 Hot

10G Optical Module Guide: Compare LRM, SR, LR, ER, ZR for the

Each 10G optical module type—SR, LRM, LR, ER, and ZR—is designed for a specific scenario. Understanding their differences helps you optimize network performance, cost, and

Jun 18, 2026 Hot

Aruba SFP+ Module For Data Networking Optic Network 1 LC 10GBase-LRM ...

Aruba - SFP+ transceiver module - 10 GigE - 10GBase-LRM - SFP+ / LC multi-mode - up to 722 ft - for Aruba 2530, 2920, 3800, 3810M 16, 3810M 24, 3810M 40, 3810M 48, MACsec Advanced Module.

Sep 12, 2025 Hot

10GBASE-LRM SFP Module Guide: Specs, Distance & Use Cases

In this guide, you will learn what a 10GBASE-LRM SFP module is, how it works, its key technical specifications, and when it makes sense to use it instead of other 10G optics.

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ECI Networks SFP+ Module

ECI Networks SFP+ Module For Optical Network, Data Networking 1 x LC 10GBase-LRM Network Optical Fiber Multi-mode 10 Gigabit Ethernet 10G-SFPP-LRM-ECI

Mar 25, 2026 Hot

SFP-10G-SR vs SFP-10G-LRM vs SFP-10G-LR, Which

The SFP-10G-LRM optical module features low cost, low power consumption, and compact size, making it widely used in practical applications. SFP-10G-LRM

Dec 06, 2025 Hot

Differences between SFP-10G-LRM and SFP-10G-LR Optical Modules

The SFP-10G-LRM optical module can achieve a maximum transmission distance of 220m in multimode fibers with a wavelength of 1310nm, supporting the 10GBASE-LRM Ethernet

Nov 23, 2025 Hot

Guide to 10G SFP+ Modules: LRM, SR, LR, ER, ZR

The selection of 10G SFP+ dual-fiber optical modules is a systematic project that requires comprehensive consideration of technical parameters, compatibility, cost-effectiveness and

Feb 27, 2026 Hot

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

Sep 14, 2025 Hot

Meaning of SR, LR, LRM, ER, and ZR in Transceiver

LRM means Long Reach Multimode, these transceivers support distance up to 220m over multi-mode fiber and use 1310nm lasers. The

Nov 19, 2025

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