

10 Gigabit Multimode Optical Module Types

Article Overview

Popular 10G multimode SFP+ modules include Cisco SFP-10G-SR, SFP-10G-SR-X, SFP-10G-SR-I, 10GBASE-LRM, and Ubiquiti 10G multimode SFP+ modules, supporting OM3/OM4 fiber up to 400 meters.

Cisco 10G Multimode Modules

- o SFP-10G-SR: Standard short-reach module for multimode fiber (MMF), supporting up to 26 meters on FDDI-grade MMF, 300 meters on OM3, and 400 meters on OM4 fiber . Operates at 850 nm wavelength.
- o SFP-10G-SR-X: Multirate module supporting 10GBASE-SR, 10GBASE-SW, and OTU2/OTU2e, with extended operating temperature range. Link distances are identical to SFP-10G-SR: 26 m (FDDI), 300 m (OM3), 400 m (OM4), .
- o SFP-10G-SR-I: Industrial-grade version for harsh environments, supporting the same link distances as SR-X and additional CPRI data rates 3-8 .
- o 10GBASE-LRM: Supports multimode fiber up to 220 meters on FDDI-grade MMF, with mode conditioning patch cord required for OM1/OM2 fibers. OM3/OM4 fibers do not require patch cords .

Ubiquiti 10G Multimode Module

- o Ubiquiti 10G SFP+ Multimode: Supports 10G connections up to 300 meters on OM3 and 400 meters on OM4 fiber using a duplex LC UPC connector. Designed for data center and enterprise short-range links .

FS 10G SFP+ Modules

- o FS offers a wide range of 10GbE SFP+ multimode transceivers compatible with OM3 and OM4 fibers, optimized for data centers, enterprise wiring closets, and ISP applications. These modules are hot-pluggable and support high-speed, low-latency connections .

Key Features of 10G Multimode SFP+ Modules

- o Form Factor: SFP+ (Enhanced Small Form-factor Pluggable), compact and hot-swappable.
- o Wavelength: Typically 850 nm VCSEL laser for short-reach multimode applications.
- o Fiber Compatibility: OM3 (up to 300 m) and OM4 (up to 400 m) for high-speed links.
- o Applications: Data centers, enterprise networks, high-density switch-to-server or switch-to-switch connections.
- o Power and Monitoring: Many modules support digital optical monitoring for diagnostics and low power consumption . These modules are widely used for short-distance 10GbE links where high-speed, low-latency, and cost-effective deployment are critical. When selecting a module, consider fiber type, link distance,

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operating temperature, and compatibility with your network equipment.

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs

Discover the XFP-1000-SR a 10G SR multimode module for up to 300m. Cisco compatible - buy now for high-speed SAN networks!

SFP+ transceiver that supports 10G connections up to 400 m using multi-mode fiber with a duplex LC UPC connector.

How Many Types of Multimode Fiber? Identified by ISO 11801 standard, multimode fiber optic cables can be classified

Delve into the world of 10G SFP+ transceiver modules, exploring their diverse types, specifications, and applications,

This article introduces three types of 10G SFP+ optical transceivers: 10GBASE-T SFP+ copper module, and 10GBASE

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Discover the key features and applications of 100G QSFP28 Multimode optical transceiver modules in the context of

Single-mode and multimode SFP are two SFP module types that will work on different fiber types. This post focuses

A 10GBASE-SR SFP module, also called 10G SFP+ SR, is a 10 Gbps multimode optical transceiver using 850 nm VCSEL laser

SFP+ optical modules are widely used in 10G Ethernet due to their advantages of compact size, low cost and high

10GBASE-SR SFP+ to LC Optical 10 Gigabit Ethernet Fiber transceiver module, 10GbE Multimode SFP+ (compatible with both

This article explains how SR Cisco SFP+ modules work, their key specifications, fiber requirements, and common deployment

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WHGEARLINK modules are known for their reliability, energy efficiency, and excellent performance in demanding environments.

Single-mode SFP and multimode SFP are the two main types of hot-pluggable optical transceivers used in fiber optic

FS 10GbE SFP+ module solutions provide a wide variety of 10 Gigabit Ethernet connectivity options for

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