



Specifications and Models of Multimode 10 Gigabit Optical Modules

Article Overview

Multimode 10G SFP+ optical modules typically operate at 850 nm, support duplex LC connectors, and provide 10Gbps transmission over OM3/OM4 fiber up to 300-400 meters.

Key Specifications

Form Factor: SFP+ (Enhanced Small Form-factor Pluggable), compact and hot-swappable for easy installation and replacement without powering down the host device . **Data Rate:** Supports 10 Gigabit Ethernet (10GbE) with nominal signaling at 10.3125 Gbps for SR applications . **Wavelength:** Operates at 850 nm, optimized for short-reach multimode fiber links . **Fiber Type:** Designed for multimode fiber (MMF), typically OM3 or OM4, which allows extended reach compared to standard MMF . **Transmission Distance:**

- o Up to 300 meters on OM3 fiber (2000 MHz.km)
 - o Up to 400 meters on OM4 fiber (4700 MHz.km)
 - o Shorter distances (?26 meters) on standard FDDI-grade MMF
- Connector Type:** Duplex LC UPC connector, ensuring reliable bidirectional communication . **Power and Interface:** Low power consumption, 20-contact edge electrical interface, AC-coupled data lines, and compatible with standard SFP+ ports on switches and servers . **Applications:** Ideal for data centers, enterprise networks, and high-density switch environments, providing short-range, high-speed connectivity between switches, servers, and storage devices . **Additional Features:**
- o Hot-pluggable design for easy maintenance
 - o Low latency and cost-effective deployment
 - o Compatible with digital optical monitoring in some modules for diagnostics
- These parameters make multimode 10G SFP+ modules a widely deployed solution for short-distance, high-speed optical links where reliability, low latency, and cost efficiency are critical.

SFP-10G-SR-S A broad range of industry-compliant SFP+ modules for 10 Gigabit Ethernet deployments in diverse networking

Understand SR Cisco SFP+ modules for 10G multimode fiber links, including specifications, transmission distance, compatibility, and

The 2A-141G 10G Multi-Mode/300M Fiber SFP+ Module is designed for use in 10GbE Ethernet environment that allows you to

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Overview Ubiquiti Networks offers a variety of U® Fiber modules to suit your fiber connectivity applications.

SFP+ Transceiver for Connecting to Your Network Switch or Server This SFP+ transceiver allows you to connect a multimode fiber

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

The XG-SFP-SR-MM850 is aligned to IEEE 10GBASE-SR optical specifications and supports a link length of up to 300 m (984.25 ft.,

10G SFP+ Optical Module is a type of SFP+ transceiver that supports 10 Gigabit per second (10Gbps) data rates and

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

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

This data sheet describes the benefits, specifications, and ordering information for the Cisco 10GBASE SFP+

10G SFP+ Optical Transceiver Modules connect 10G TCVRs and the 10G CBOX with 10G network

Features and Benefits The following table lists the different pluggable optic modules and supported platforms, along with the

The Complete Guide to the Best Choice of 10G SFP+ Optical Modules 10G SFP+ Function Introduction 10G SFP+ (Small Form

When it comes to cost-effective 10 Gigabit Ethernet over short to medium distances, the SFP-10G-SR optical

Cisco SFP-10G-LRM Module The Cisco 10GBASE-LRM Module supports link lengths of 220m on standard Fiber Distributed Data

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