

10 Gigabit Optical Multimode Module



Summary of Content

A 10 Gigabit multimode optical module is an SFP+ transceiver that enables 10Gbps Ethernet transmission over multimode fiber for short-range connections, typically up to 300–400 meters.

Overview

A 10 Gigabit multimode optical module is a type of SFP+ (Small Form-factor Pluggable Plus) transceiver designed to transmit data at 10 Gigabits per second (10Gbps) over multimode fiber (MMF). It is commonly used in data centers, enterprise networks, and high-performance computing environments to connect switches, servers, and routers over short distances .

Key Features

- **Data Rate:** Supports 10Gbps Ethernet, with some modules offering backward compatibility for 1G/2.5G/5G connections .
- **Form Factor:** SFP+ (enhanced SFP), which is compact, hot-swappable, and optimized for high-density network deployments .
- **Connector Type:** Typically uses duplex LC connectors for fiber optic cables .
- **Laser Technology:** Uses 850 nm VCSEL (Vertical-Cavity Surface-Emitting Laser) for short-reach transmission .
- **Supported Fiber Types:** Works with OM3 and OM4 multimode fiber, allowing distances up to 300 meters on OM3 and 400 meters on OM4 .
- **Power Efficiency:** Low power consumption, usually around 1W or less, making it more efficient than older XFP modules .

Article Content

10 Gigabit Multimode SFP+ Fiber Optic Transceivers | High-Speed

These SFP+ modules are designed for 10 Gigabit Ethernet and are equipped with LC duplex connectors, ensuring compatibility with

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

10Gtek 10GBase-SR SFP+ LC Transceiver, 10G 850nm MMF Multimode

Widely used in network switch, server, or NIC with SFP+ to a 10 Gigabit fiber channel network with multimode LC for Network

10 Gigabit Fiber SFP+ Optical Transceiver Module

The Intellinet Network Solutions 10 Gigabit Fiber SFP+ Optical Transceiver Module (model 507462) is fully hot-pluggable, and that

Multimode SFP+: 10GBASE-SR Specs, Fiber Types and Use Cases

Multimode SFP+ modules (10GBASE-SR) use 850 nm optics and operate over OM3 or OM4 multimode fiber,

10 Gigabit Optical Transceivers | SFP+ and XFP Modules | Perle

Perle 10G Optical Transceivers available as SFP+ and XFP modules can be used in Perle Media Converters, Cisco switches and

Cisco 10GBASE SFP+ Modules Data Sheet

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

10G Multi-Mode Optical Module

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

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

Contact Us

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