



Intle 10 Gigabit Multimode Optical Module

Article Overview

10G multimode SFP+ optical modules support high-speed 10 Gigabit Ethernet over multimode fiber, with link distances up to 400 meters depending on fiber type and module specifications.

Overview

10 Gigabit multimode optical modules, commonly in SFP+ form factor, are designed for high-density, high-speed network connectivity in data centers, enterprise wiring closets, and service provider networks. They are hot-pluggable, allowing installation or replacement without powering down the switch, and often include digital optical monitoring (DOM) for real-time diagnostics of optical power, temperature, and voltage .

Key Specifications

- o Data Rate: 10 Gbps Ethernet
- o Fiber Type: Multimode fiber (MMF)
- o Connector Type: Duplex LC UPC
- o Link Distances:
 - o FDDI-grade MMF: 26 meters
 - o OM3 MMF (2000 MHz.km): up to 300 meters
 - o OM4 MMF (4700 MHz.km): up to 400 meters
- o Hot-Swappable: Yes, supports uninterrupted network operation
- o Digital Diagnostics: Monitors optical output/input power, temperature, laser bias current, and supply voltage

Examples of Modules

- o Cisco 10GBASE-SR SFP+: Supports 26 m on standard MMF, 300 m on OM3, and 400 m on OM4; compatible with 10GBASE XENPAK, X2, and XFP interfaces .
- o Intellinet 10G SFP+ Optical Transceiver (Model 507462): Fully hot-pluggable with DOM support for real-time monitoring .
- o UniFi 10G Multi-Mode Optical Module: Supports 10G connections up to 400 m over multimode fiber with duplex LC UPC connector .
- o FS 10G SFP+ Modules: Offers a variety of 10G connectivity options for data centers and enterprise networks, with global warehouse availability .



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Benefits

- o High Density: Small SFP+ form factor allows maximum port density per chassis
- o Investment Protection: "Pay-as-you-populate" model enables gradual network expansion
- o Interoperability: Works with multiple 10G Ethernet interfaces
- o Diagnostics: DOM/DOMM features provide proactive monitoring and troubleshooting These modules are ideal for short- to medium-range 10G Ethernet links within racks or across adjacent racks, providing reliable, high-speed connectivity for modern network infrastructures.

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

Die Intellinet Gigabit SFP Mini-GBIC Transceiver für LWL-Kabel sind vollständig "hot-pluggable", d. h. sie können installiert werden,

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

SFP+ optical module, SFP module, and direct attach cable requirements for the Intel® Ethernet Converged Network

The Intellinet Network Solutions 10 Gigabit Fiber SFP+ Optical Transceiver

About this item 10GBase-SR SFP+: 10 Gigabit Ethernet Multimode SFP+ Module, 10 Gb/s, 850nm

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

Intel may make changes to manufacturing life cycle, specifications, and product descriptions at any time, without notice. The

10 Gigabit Connectivity Whether you need a fast connection to your 10 GbE equipped server or NAS device, or if you simply want to

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10 Gigabit Fiber SFP + (LC) Multi-Mode Optical Transceiver Module The new line of

40GBASE-SR4 QSFP+ to MPO Optical 40G Ethernet transceiver module, Multimode, 4-lanes, 850nm,

Intel 10 Gigabit Multimode Optical Module

12-fiber

The dual-rate Intel SFP+ module is compatible with 10 gigabit Ethernet (10 GbE) and gigabit Ethernet (1 GbE) data link protocols for

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The Cisco's 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for

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

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