

Ad 10 Gigabit Optical Module Multimode



AI 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

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

Examples of Modules

- 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.
- Intellinet 10G SFP+ Optical Transceiver (Model 507462): Fully hot-pluggable with DOM support for real-time monitoring.
- UniFi 10G Multi-Mode Optical Module: Supports 10G connections up to 400 m over multimode fiber with duplex LC UPC connector.
- FS 10G SFP+ Modules: Offers a variety of 10G connectivity options for data centers and enterprise networks, with global warehouse availability.

Benefits

- High Density:** Small SFP+ form factor allows maximum port density per chassis.
- Investment Protection:** “Pay-as-you-populate” model enables gradual network expansion.
- Interoperability:** Works with multiple 10G Ethernet interfaces.
- 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-sp...

Article Content

Fiber optic module CBO 407-10933-BO | AiO.lv

Short description CBO 407-10933-BO is a fiber optic module supporting 1000 Mbit/s data rate at 850 nm wavelength. Designed for gigabit network links over multimode fiber, it provides reliable optical

Cisco 40GBASE QSFP Modules Data Sheet

Cisco QSFP-40G-CSR4 Cisco 40GBASE-CSR4 QSFP Modules extend the reach of the IEEE 40GBASE-SR4 interface to 300 and 400 meters on laser-optimized OM3, and OM4/OM5

10G PoE++ Fiber Optic Media Converter with Multi-Mode LC

The included 10Gb SFP+ SR module (850nm) allows for reliable multi-mode fiber optic connections up to 300 meters (0.186 miles), making it ideal for a variety of networking applications.

SeaMAX Fiber Optic Patch Cord, 5m, LC/LC UPC, OM4 Multimode,

Constructed with OM4 50/125 µm multimode fiber, the patch cord supports high-bandwidth applications including 10 Gigabit, 40 Gigabit, and 100 Gigabit Ethernet, making it ideal for modern high-density

10G BiDi SFP+ 20km Tx1270/Rx1330

10GBASE-BX20 10G BiDi SFP+, 20km single fiber, Tx1270/Rx1330nm, 9dB budget, DOM. Matched-pair module. EU stock + lifetime warranty. €16.33.

ADDER® SFP-MM-LC-10G | Adder Technology

Multi-mode 10Gbps SFP+ with LC connectors compliant to IEEE 802.3ae This transceiver uses a 850nm VCSEL laser and is designed to transmit and receive optical data over multi-mode optical fiber for

Optical Transceivers

Multi-vendor coding options available for your 10GB Ethernet requirements. Available in Multimode, Single Mode, Extended Range, Long Reach Multi-mode

Small Form-factor Pluggable

Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module

QSFP28 Optical Transceiver Modules for Sale (100G) | Cables on

QSFP28 Optical Transceiver Modules (100G-SR/LR) Buy 100G QSFP28 Optical Transceiver Modules by Amphenol XGIGA Factory-Direct at Cables on Demand in 100GBASE-SR4 (Short-Range

4 Port 10/100/1000 RJ45 to Fiber Switch

Our ESW-2206 optical fiber switch has 2 Fiber Optic SFP Module ports and 4 X 10/100/1000 Base-TX copper RJ-45. Works Best with Fibertronics Cat6 6 or Cat

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.

How to choose the right optical module

For users, choosing the right optical module for their applications can be a major challenge. This article will provide readers with valuable references and suggestions from multiple

StarTech Cisco SFP-10G-SR-S Compatible SFP+ Module

StarTech Cisco SFP-10G-SR-S Compatible SFP+ Module - 10GBASE-SR - 10GbE Multimode Fiber MMF Optic Transceiver - 10GE Gigabit Ethernet SFP+ - LC 300m - 850nm - DDM Cisco Firepower,

Alcatel-Lucent (Nokia) 3HE00564CA 01 10GBASE-LR XFP Optical

The Alcatel-Lucent (Nokia) 3HE00564CA 01 is a genuine original 10GBASE-LR XFP optical transceiver, manufactured by Finisar for Nokia/Alcatel-Lucent. Designed for carrier-grade 10 Gigabit Ethernet

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 wiring closets, Internet Service

SFP+ Optical Transceiver Modules (10G-SR/LR)

Genuine Amphenol 10GBASE-SR SFP+ Optical Transceiver Modules provide a high-density, high-performance interface for 10-Gigabit Ethernet and Fibre

h3c sfp optical module with warranty online manufacture

H3C Gigabit Optical Modules Product Overview Adopting advanced technologies, H3C Gigabit Optical Modules feature low power consumption, hot-swap capability and wide compatibility.

Ubiquiti 10G Multi-Mode SFP+ Optikmodul 20er-Pack für ...

Das optische 10-Gbit/s-Multimode-Modul, Modell UACC-OM-MM-10G-D-2, von Ubiquiti ist ein hochleistungsfähiger optischer Transceiver mit zwei

Media Converters

This AD-net product is industrial-grade 1 port 10/100/1000M Ethernet to 1000Base-X fiber conversion, mainly used for long-distance 550

The Ultimate Guide to ZTE SFP Module Distance and Wavelength

The host device's ability to support Digital Optical Monitoring (DOM) is crucial for real-time network management, allowing administrators to monitor key parameters like optical power and temperature

Startech Arista Networks QSFP-40G-SR4 Compatible QSFP& #x2B; Module ...

Buy Startech Arista Networks QSFP-40G-SR4 Compatible QSFP+ Module, 40GBASE-SR4, 40GbE Multimode Fiber MMF Optic Transceiver, 40GE Gigabit Ethernet QSFP+, MPO Connector, 150m,

Startech Dell EMC QSFP-40G-SR4 Compatible QSFP+ Module,

Buy Startech Dell EMC QSFP-40G-SR4 Compatible QSFP+ Module, 40GBASE-SR4, 40GbE Multimode Fiber MMF Optic Transceiver, 40GE Gigabit Ethernet QSFP+, MPO Connector, 150m, 850nm, DDM,

Cisco 10GBASE SFP+ Modules Data Sheet

Product overview The Cisco® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise wiring closet, and service provider transport

Contact Us

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