

Fiber to Ethernet Module Multimode



AI Overview

A multimode fiber to Ethernet module converts multimode fiber optic signals into Ethernet, supporting speeds up to 1 Gbps and distances up to 550 meters.

Overview Multimode fiber to Ethernet modules, also known as media converters, allow you to extend Ethernet networks over fiber optic cabling. They are commonly used to connect network devices across longer distances than standard copper Ethernet cables allow, while maintaining high-speed data transmission.

Key Features

- Supported Speeds:** Most multimode converters support 10/100/1000 Mbps (Fast and Gigabit Ethernet) with auto-sensing capabilities to adapt to connected devices.
- Distance:** Multimode fiber modules typically extend Ethernet connections up to 550 meters (0.34 miles) using 850 nm wavelength transceivers.
- Connectors:** Common fiber connectors include ST, SC, or SFP slots, allowing flexibility in network design.
- Duplex and Auto-Negotiation:** They support full/half duplex and MDI/MDI-X auto-crossover, simplifying integration with existing network equipment.
- Plug-and-Play:** Most modules are ready to use without configuration, with LED indicators for link and activity monitoring.
- Power Supply:** Typically powered via small AC adapters or external power supplies, supporting a wide voltage range.

Use Cases

- Extending LANs:** Connect switches, routers, or servers over longer distances than copper Ethernet allows.
- Industrial Networks:** Reliable for environments with electromagnetic interference where fiber is preferred.
- Data Centers:** Integrate multimode fiber links between racks or buildings while maintaining high-speed connectivity.

Example Products

- HiFiber Gigabit SFP to RJ45 Converter:** Supports both multimode and singlemode SFP modules, 10/100/1000 Mbps RJ45, plug-and-play, with LED status indicators.
- AN-UMG-MM-AS-850J-ST Multimode Fiber Media Converter:** Uses 850 nm ST transceivers, supports 10/100/1000 Mbps auto-sensing, and extends networks up to 550 meters.
- Eaton N785-001-SC-MM:** Economical SC multimode fiber converter,...

Article Content

Netgear ProSAFE Gigabit Ethernet Multimode Fiber SFP Transceiver Module ...

Engineered with multimode fiber support and an LC duplex connector to ensure reliable short-range optical connectivity. Designed as a ProSAFE SFP transceiver module used for Gigabit Ethernet fiber

Fiber SFP module for TCSESM switches

This product is part of the Modicon Networking range, an accessory of Modicon Switch. This product is a multi mode fiber optic adaptor. It comes with 1000BASE

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,

SFP Modules

Moxa's small form-factor pluggable transceiver (SFP) Ethernet fiber modules for Gigabit Ethernet provide coverage across a wide range of communication

Ethernet-to-Fiber Media Converters

Moxa's Ethernet to Fiber media converters feature innovative remote management, industrial-grade reliability, and a flexible, modular design that can fit any type of

TP-Link Gigabit SFP to RJ45 Fiber Media Converter

The MC200CM is a media converter designed to convert 1000BASE-SX fiber to

AOC, DAC, Fiber Optic Transceivers | One-Stop Shop

Online shopping. w/24h-delivery, 7Days & Refund Guarantee. CE, RoHS and ISO9001 Certified. SFP+ Cables, QSFP+ Cables, MiniSAS Cables, XFP Cables,

Cisco SFP Modules for Gigabit Ethernet Applications

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit Ethernet Applications.

Tripp Lite series Gigabit SFP Fiber to Ethernet Media

This Ethernet extender converts a singlemode or multimode fiber optical signal to

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,

Multimode Fiber to Ethernet Media Converter, SC,

The N785-001-SC-MM Gigabit Multimode Fiber to Ethernet Media Converter is

Amazon : ipolex Gigabit Multi-Mode LC Fiber to

Seamless Conversion of LC Fiber to Copper - This fiber optic to ethernet media

Cisco 40GBASE QSFP Modules Data Sheet

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 multimode parallel fiber,

Ethernet fibre module Ethernet Fiber Modules | Modulit Pro AV

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Gigabit SFP modules with fiber optic modes » buy

Single- & Multimode SFP modules offer the best of both worlds, allowing enterprises to take advantage of both fiber modes. With these modules, enterprises can

The Ultimate Guide to ZTE SFP Module Distance and Wavelength

The electrical interface of the SFP module connects to the host system's backplane, which, in high-end ZTE switches, can boast a switching capacity of up to 2.56 Tbps and a packet forwarding rate

Cisco SFP Modules for Gigabit Ethernet Applications

The 1000BASE-LX/LH SFP, compatible with the IEEE 802.3z 1000BASE-LX standard, operates on standard single-mode fiber-optic link spans of up to 10 km and up to 550 m on any multimode fibers.

Gigabit Fiber to RJ45 Ethernet Media Converter Dongle,

FIBER TO ETHERNET MEDIA CONVERTER: Converts Gigabit fiber to RJ45 copper in a compact form factor; No SFP/Cat6 cables required; Conveniently

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,

Netgear Gigabit Ethernet Multimode Fiber SFP+ Transceiver Module,

Multimode fiber (OM1, OM2, OM3, OM4) with an LC duplex connector type. 10GBASE-LRM SFP+ transceiver module used for providing short-range 10 Gigabit Ethernet connectivity over multimode

Kramer Ethernet Fiber Modules | Modulit Pro AV

The ProSafe GBIC Module 1000Base-SX SFP from Netgear is an expansion module that adds high-density fiber connectivity to compatible Netgear devices. It installs in a SFP GBIC compliant slot and

StarTech 10 Pack Cisco GLC-SX-MM Compatible SFP Module

StarTech 10 Pack Cisco GLC-SX-MM Compatible SFP Module (10 Pack) - 1000BASE-SX - 1GbE Multimode Fiber MMF Optic Transceiver - 1GE Gigabit Ethernet SFP - LC 550m - 850nm - DDM

StarTech MSA Uncoded SFP Module

StarTech MSA Uncoded Compatible SFP Module - 1000BASE-SX - 1GbE Multi Mode Fiber (MMF) Optic Transceiver - 1GE Gigabit Ethernet SFP - LC 550m - 850nm - DDM (SFP1000SXST)

Fiber Optic Transceivers | SFP, QSFP & GBIC | High

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