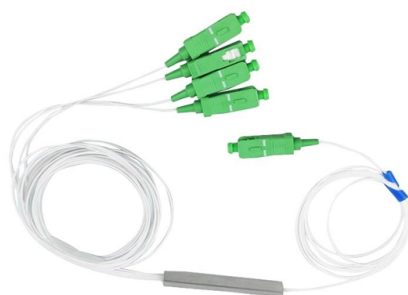


TP-Link Multimode Fiber Optic Transceiver



Overview

The MC200CM is a media converter designed to convert 1000BASE-SX fiber to 1000Base-T copper media or vice versa.

Key Takeaways

TP-Link offers a range of multimode fiber transceivers for 1G and 10G Ethernet, supporting distances up to 550 meters over 50/125µm multimode fiber. 10G Multimode Transceivers

The TXM431-SR is a 10GBASE-SR SFP+ transceiver designed for high-performance 10Gbps Ethernet connections. It operates at 850nm wavelength and supports full-duplex 10G Ethernet over multimode fiber. Transmission distances reach up to 300 meters with 50/125µm fiber and 33 meters with 62.5/125µm fiber. This module is ideal for high-speed network backbones, data centers, and enterprise LANs requiring short-range 10G connectivity.

1G Multimode Transceivers

For Gigabit Ethernet, the TL-SM311LM is a 1000BASE-SX SFP transceiver compatible with TP-Link devices. It uses LC duplex connectors and operates at 850nm, supporting multimode fiber transmission up to 550 meters over 50/125µm fiber. These transceivers are suitable for switches, routers, storage systems, and other network hardware that require reliable 1G optical links.

Media Converters

TP-Link also provides media converters like the MC200CM, which convert 1000BASE-SX fiber to 1000BASE-T copper or vice versa. The MC200CM supports 850nm shortwave lasers and multimode fiber, with extended transmission distances of up to 550 meters on 50/125µm fiber and 220 meters on 62.5/125µm fiber . These devices are useful for connecting networks across buildings, remote monitoring systems, or extending Ethernet networks over fiber.

Compatibility and Standards

TP-Link multimode transceivers comply with IEEE 802.3z (1000BASE-SX) and 10GBASE-SR standards, ensuring interoperability with other MSA-compliant SFP/SFP+ modules . OEM-compatible modules, such as those from BlueOptics, are tested for full compatibility with TP-Link hardware, using high-quality lasers and ICs to ensure long service life and reliable performance .

Key Considerations

- Fiber type: 50/125µm or 62.5/125µm multimode fiber affects maximum distance.
- Connector type: Most TP-Link multimode transceivers use LC duplex connectors.
- Data rate: Choose 1G (1000BASE-SX) or 10G (10GBASE-SR) based on network requirements.
- Application: Suitable for LAN backbones, inter-building links, data centers, and media conversion.
- Compatibility: Always verify the transceiver model against your TP-Link device manual to ensure proper operation. TP-Link multimode fiber transceivers provide a reliable solution for extending Ethernet networks over short to medium distances, offering both high-speed 10G options and cost-effective 1G solutions for enterprise and industrial applications.

Article Content

TL-SM5110-SR | 10GBase-SR SFP+ LC Transceiver | TP-Link

It is a 10GBASE-SR high performance 850nm multi-mode SFP+ transceiver. It supports full duplex, 10G Ethernet connections up to

TP-Link Gigabit Multi-Mode Media Converter, Complies with IEEE

The MC200CM is a media converter designed to convert 1000BASE-SX fiber to 1000Base-T copper media or vice versa. Designed

Intro to Networking

The key difference between Multi-Mode (MM) and Single-Mode (SM) fiber optic cable is the core diameter. The diameter of MM fiber

H!Fiber 10Gb Multimode SFP+ LC Module, 10GBase-SR Fiber SFP

H!Fiber offers one-stop Datacenter solution and products, including SFP Transceivers, DAC Cables, Network Card, Media

TXM431-SR | 10GBase-SR SFP+ LC Transceiver | Omada by TP-Link

What This Product Does The TXM431-SR is designed to extend transfer distances based on 10Gbps Ethernet connectivity. It is a

TP-Link Compatible SFP, SFP+, QSFP & Fiber Optic Transceivers

Shop TP-Link Compatible SFP, SFP+, SFP28, QSFP+, QSFP28, and DAC cables for TP-Link switches. Compatibility-tested fiber

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: <https://rivomultitrade.co.za>

Technical inquiry: <https://rivomultitrade.co.za/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

