



TL-MC10G-1S1R

10G Ethernet Media Converter with 1 SFP Slot & 1 RJ45 Port



The TL-MC10G-1S1R features one SFP+ port (SFP module sold separately) and one RJ45 twisted pair port, effectively adapting twisted pair-based devices to fiber for longer transmission distances. The TL-MC10G-1S1R supports multimode fiber when paired with a multimode SFP+ module and single mode fiber when paired with a single mode SFP+ module.

Two TL-MC10G-1S1R media converters are required for most applications -- one for each end of the cable run. The compact size of the converter allows it to be easily deployed in any narrow desktop location or to be used in a wall-mount installation.

Connections



SFP Slot - Fiber Optic

This product requires an SFP+ transceiver module that provides fiber optic connections. Maximum length and fiber cable specification depend on the model of SFP transceiver.

1. Insert the transceiver into the media converter and route the fiber optic cable into the transceiver.
2. Route the other end of the fiber optic cable into a suitable port in your fiber optic network.

RJ45 - Twisted Pair

Connect the RJ45 port of the media converter to an RJ45 port on the network such as an Ethernet switch. Cat5e or better cabling is recommended.



Power

Plug the power adapter into the 12V DC input jack on the media converter, then connect it to a regular power outlet. Only use the included power adapter or one with matching specifications (output of 12V DC, at least 0.5 A).

LEDs

PWR - The power adapter is connected when lit.

Link ACT - Active fiber connection when lit; data traffic when flashing.

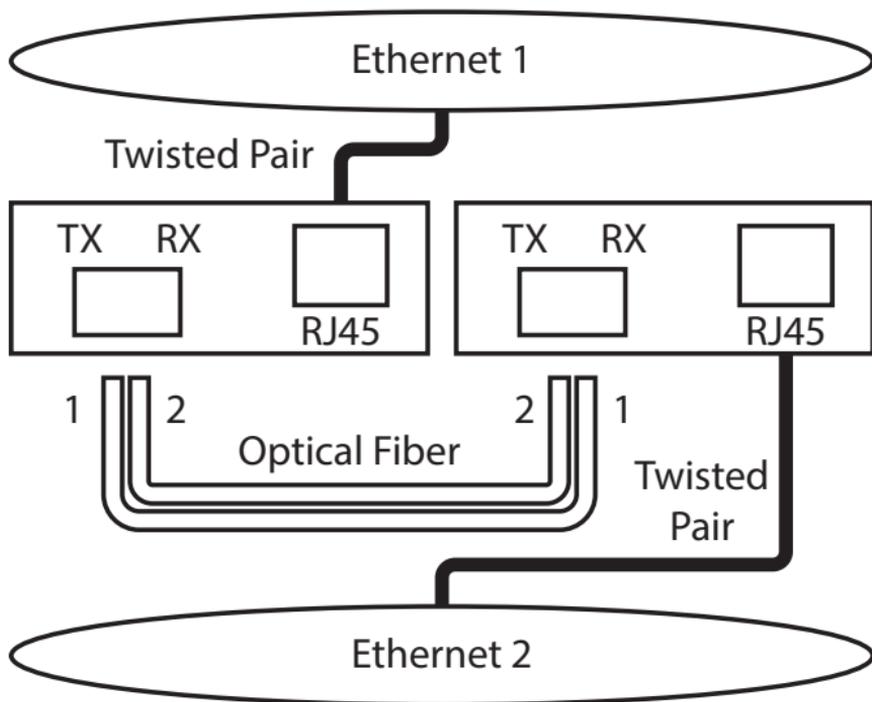
SD - Fiber signal detected when lit.

10G - 1000 Mbps link on the twisted pair connection when lit.

Link (UTP Side) - Active twisted pair link when lit; no active network link when unlit.

ACT (UTP Side) - Twisted pair data transfer when flashing.

Fiber Optic Pairing



As shown above, two fiber optic cables need to be connected between two ideally identical media converters. Make a connection from Media Converter 1 TX to Media Converter 2 RX, and from Media Converter 1 RX to Media Converter 2 TX.