



TL-MC-2SC1R-SM

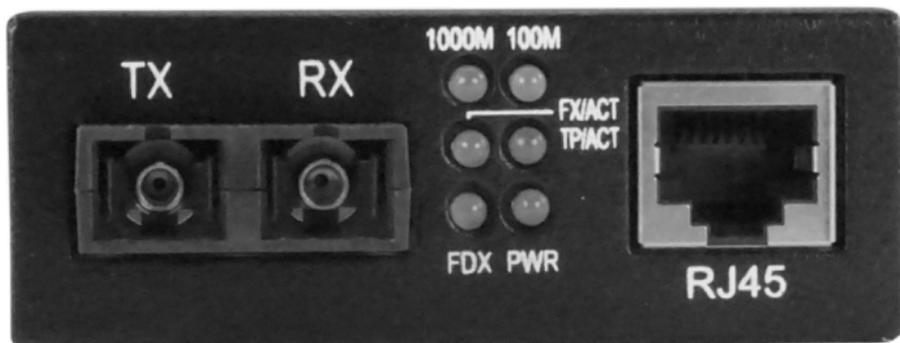
1G Ethernet Media Converter with Duplex SC & 1 RJ45 Port - Single Mode



The TL-MC-2SC1R-SM features one duplex SC port (1000Base-LX) and one RJ45 twisted pair port, effectively adapting twisted pair-based devices to fiber for longer transmission distances. The TL-MC2SC1R-SM supports single mode fiber.

Two TL-MC-2SC1R-SM media converters are required for most applications -- one for each end of the cable run. The compact size of the TL-MC-2SC1R-SM allows it to be easily deployed in any narrow desktop location or to be used in a wall-mount installation. Several converters can be simultaneously installed into a 19" rack-mountable, 14-slot converter chassis (TL-RKMC-14).

Connections

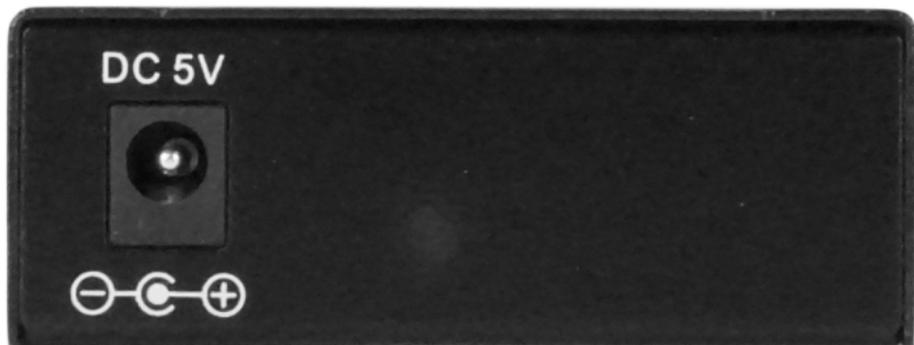


Fiber Optic

Two fiber optic cables need to be connected between two ideally identical media converters. The TL-MC2SC1R-SM only supports single mode fiber and has a maximum distance of 20 km (12.4 miles).

RJ45 - Twisted Pair

Connect the RJ45 ports 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 5 V 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 5 V DC, at least 1 A).

LEDs

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

100M - 100 Mbps link on the twisted pair connection when lit.

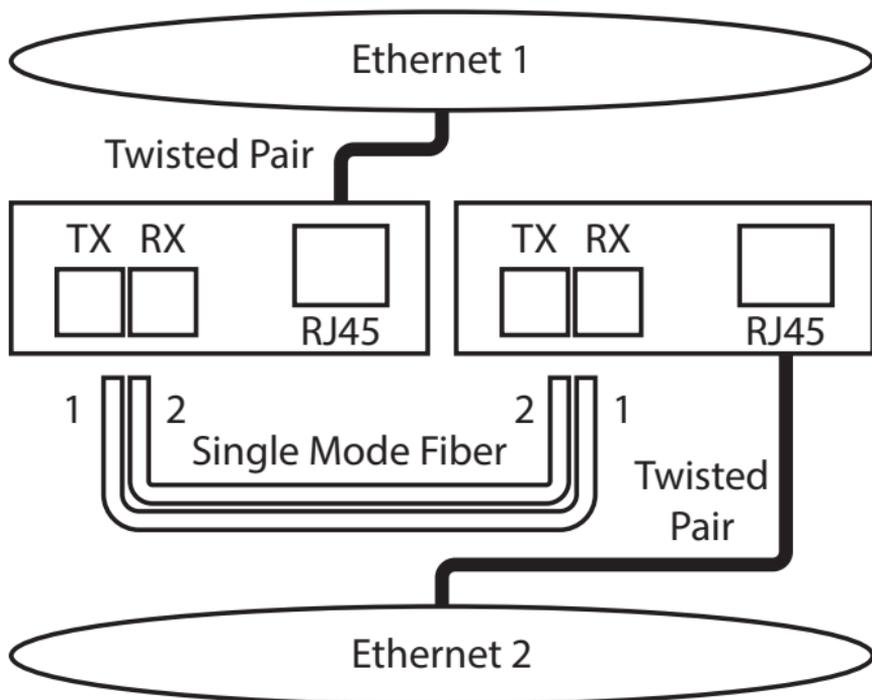
FX/ACT - Fiber optic signal is detected when lit; no signal when unlit.

TP/ACT - Active twisted pair link when lit; data traffic when flashing; no active network link when unlit.

FDX (for TP/RJ45) - Full duplex connection when lit; data collisions when flashing; half duplex when unlit.

PWR - The power adapter is connected when lit.

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.