

Introduction:

The **Teleport 1500 series** media converter is specifically designed to offer fiber advantages for mission-critical networks like Telco/ISP backbones, cable operators, banking and enterprise networks. The **Teleport 1500** can reduce network downtime and increase Quality of Service levels. The converters are completely transparent when installed, so the network performs exactly the way it would do normally – only now, it can incorporate both copper and fiber mediums.

This flexibility in cabling allows network managers to put fiber cables anywhere within a network without changing the arrangement of the copper-based Gigabit segments. Their compact size allows the converters to be wall-mounted to save space. Several converters can be simultaneously installed by using the MC-1600-4 4-slot and MC-1600-12, 19" rack-mountable chassis.

The **Teleport 1500** takes advantage of intelligent connection technology to support Auto-negotiation, thereby eliminating the hassle of manually configuring or monitoring settings. This ensures plug-n-play operability.



Main Features:

Standards:

- + Complies with IEEE 10/100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-LX standards

Interface:

- + One 10/100/1000 Mbps Ethernet port
- + Auto MDI/MDI-X support on RJ-45 port
- + One SFP slot for Gigabit links
- + **Extends distances up to 110Km (Single Mode)**

Management:

- + Alarm LED illuminates to indicate link failure
- + Status LEDs for easy monitoring of device's status

Mechanical & Environmental:

- + External power supply
- + Chassis-compliant (internal power supply)
- + FCC Class A & CE approved
- + RoHS compliant





Teleport 1500 Series Gigabit Triple-Speed Converter

10/100/1000 to 1000SX / LX (SFP) Converter Series

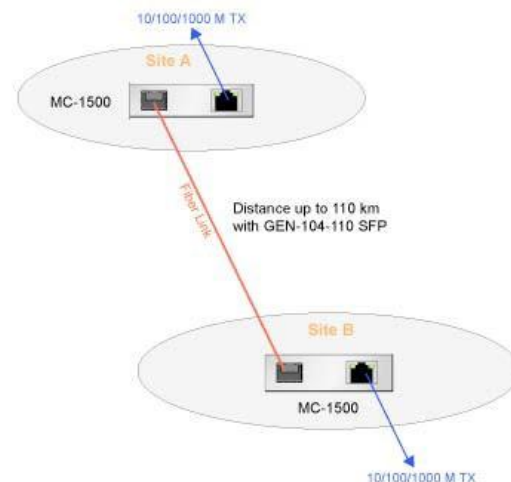
Specifications:

Standards Conformity:	IEEE 10/100Base-TX & IEEE 802.3ab 1000Base-T & IEEE 802.3z 1000Base-SX/LX
Connector:	1 x RJ-45 or 1 x Fiber
Max. Distance:	UTP: 100 meters (Cat. 5/5e/6) Fiber: SFP: up to 2km (multi-mode) Fiber: SFP up to 110Km (single-mode)
Unit LEDs:	PWR: Illuminates for normal operation ALM: Illuminated when failure occurs on fiber or copper link LNK/ACT: Fiber link – Illuminated when receiving link pulses from compliant devices – Flashing when data packets are being transmitted / received
MDI/MDI-X:	Auto Selection
Power:	Power Input: 12V DC @ 0.8A, external power supply adapter Frequency: 47Hz to 63Hz
Temperature:	Operating: 0c to 50c Storage: -20 to 70
Humidity:	Operating: 10% to 90%RH Storage: 5% to 90%RH
Emission Compliance:	FCC Part 15 of Class A & CE approved
Dimensions:	109.2 x 73.8 x 23.4mm (D x W x H)
Weigh:	158g
Dip Switches:	DIP 1 LFS: Enable/disable Link-Fault Signaling (LFS)

Applications:

The diagram on the left illustrates a typical application for the Teleport 1500 media converter. The actual distances will depend on several factors, including the quality of cables used and the terminal equipment employed.

Ordering Information:



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