

10/100M Series Media Converter

10/100Base-Tx to 100Base-Fx
RoHS Compliant



>>Description

The 10/100M series is the answer to expanding existing Fast Ethernet networks. The easy implementation and expansion of 100Base-TX/FX networks can be further assured with this converter.

The converter is completely transparent when connected so the network performs exactly the way it did before - only now, it allows the co-existence of both copper and fiber mediums. Added flexibility is available with ST, SC, FC and WDM Simplex SC connectors. Extra distances are possible with the single mode version delivering up to 80km connectivity per transmitted segment.

The 10/100M converter allows the installation of fiber cabling anywhere within a Fast Ethernet network topology by directly connecting to existing devices. Its compact modular design facilitates deployment in a narrow desktop location to save space.

>>Main Features

- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3x auto-negotiation
- Optional 19" System Chassis (OPT-R14) holds up to 14 Media Converters
- Extends distances ranging from 2km (multi-mode fiber) to 120km (single mode fiber)
- Auto-negotiation support on RJ-45 port
- Auto-negotiation of duplex(HDX/FDX) on RJ-45 port
- Auto MDI/MDI-X support on RJ-45 port
- Status LED's for TX,FX LINK/ACT, POWER,100M to easily monitor network status
- External power supply
- Supports packet length up to 1600 bytes
- FCC Class A & CE approved



>>Specifications

Interface

- 1 x Ethernet port (RJ45) 10/100Base-Tx
- 1 x Optical port (1x9) 100Base-Fx

Optical Port

- Available for 1310nm and 1550nm Single mode, and 1310nm Multi mode;
- Transfer Distance: up to 120km;
- Connectors: SC/PC, ST/PC, FC/PC optional
- Fiber core: 8.3um, 8.7um, 9um and 10um on single mode fiber, 50, 62.5 and 100um on multi-mode fiber

Ethernet Port

- Standard: IEEE802.3, IEEE802.3u, IEEE802.3x
- Available speed: force 10 Mbps, force 100 Mbps and auto-detective 10/100Mbps Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

LED Indicators

- Power, FDX, Status, Speed, FX Link/Act, TX Link/Act

Power Requirement

- Input: 5VDC 1A

Physical Characteristics

- Housing: Metal enclosure
- Dimensions: 94 x 70 x 26mm (D x W x H)
- Weight: 0.28kg

Environmental Limits

- Operating Temperature: 0°C to 50°C
- Storage Temperature: -20°C to 70°C
- Operating Humidity: 10% to 90% RH
- Storage Humidity: 5% to 90% RH

Agency Approvals

- FCC Part 15 of Class A & CE approved

Warranty

- 1 year

>>Ordering Information

Double Fiber Media Converter

10/100Base-Tx to 100Base-Fx, Multi mode, 2Km, SC/ST/FC
10/100Base-Tx to 100Base-Fx, Single mode, 25Km, SC/ST/FC
10/100Base-Tx to 100Base-Fx, Single mode, 40Km, SC/ST/FC
10/100Base-Tx to 100Base-Fx, Single mode, 60Km, SC
10/100Base-Tx to 100Base-Fx, Single mode, 80Km, SC
10/100Base-Tx to 100Base-Fx, Single mode, 100Km, SC
10/100Base-Tx to 100Base-Fx, Single mode, 120Km, SC

WDM Fiber Media Converter

10/100Base-Tx to 100Base-Fx, Bi-Directional, 25Km, SC/ST/FC
10/100Base-Tx to 100Base-Fx, Bi-Directional, 40Km, SC/ST/FC
10/100Base-Tx to 100Base-Fx, Bi-Directional, 60Km, SC
10/100Base-Tx to 100Base-Fx, Bi-Directional, 80Km, SC
