

MEDIA CONVERTER PRODUCTS

Media Converter 10/100/1000 Tx-Fx, SFP, SM



FEATURE

- Complies with IEEE 802.3, IEEE 802.3u, IEEE802.3z, IEEE802.3ab, IEEE 802.3x auto-negotiation
- Extends distances ranging from 550m(multi-mode fiber) to 120km(single-mode fiber Supports auto MDI-MDIXfunction
- LFP (Link Fault Pass-through) Function
- Choice of SC, ST or FC connector for multimode and singlemode
- DIP Switch to set configurations
- Supports packet length up to 1600 bytes
- Built in 128Kb RAM for data buffer
- FCC Class A & CE approved



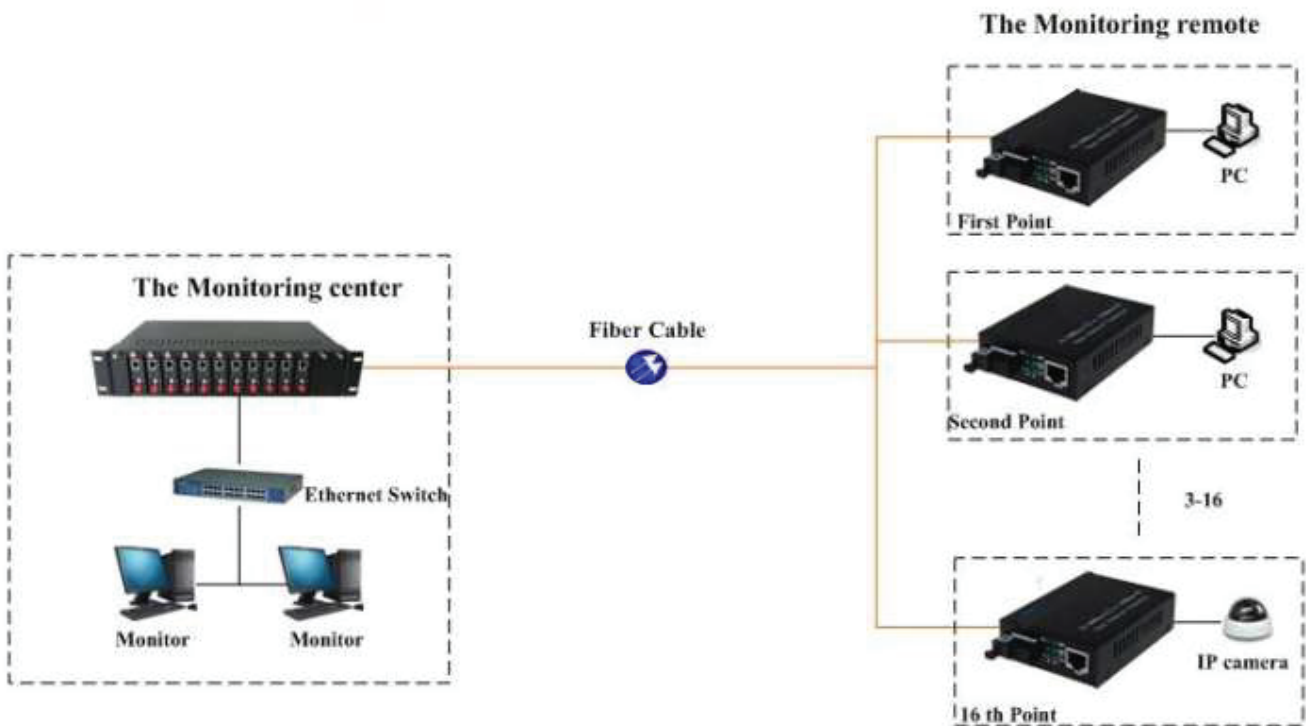
PRODUCT DESCRIPTION

Media converter is a 10/100/1000Base-TX to 100Base-FX media converter, which features LFP (Link Fault Pass-through) function for easily tracing the network link failure. LFP function can enhance the integrity and conformity of the TP-Fiber linking to improve the maintainability of the network.

Media converter is powered through external power adapter or uses power from USB port on the hosting device such as PC or NB. This unique idea of using USB port power offers great flexibility when deploying this converter. Five LED are provided to monitor the operation status of the converter and the DIP Switch on the side panel is used to set the required working configurations to meet various applications.

Media converter can be used as a standalone unit or as a slide-in module to converter rack (up to 14 units) for use at a central wiring closet

APPLICATION



SPECIFICATION

Interface

- 1 x Ethernet port (RJ45) 10/100/1000Base-Tx
- 1 x Optical port (1xSFP) 1000Base-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: IEEE 802.3, IEEE 802.3u, IEEE802.3z, IEEE802.3ab, IEEE 802.3x auto-negotiation
- Available speed: force 10 Mbps, force 100 Mbps force 1000 Mbps and auto-detective 10/100/1000Mbps 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, Fiber, RJ45, 1000, 100, ALM

DIP Switch Function

- TP port mode Auto(default) or Force
- TP port speed 100 or 10 when TP at Force
- TP port duplex FDX or HDX when TP at Force
- LFP LFP enabled (default) or disabled
- Fiber port duplex 100FDX (default) or 100 HDX

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

Power Requirement

- Input: 5VDC or 12VDC 1A

Agency Approvals

- FCC Part 15 of Class A & CE approved, RoHS, UL.

OPTION

- DIP Switch support LFS, LFP

ORDER INFORMATION

PRODUCT	PART NUMBER
Media Converter 10/100/1000 Tx-Fx, SFP, SM	MC-1000-SFP