MEDIA CONVERTER PRODUCTS

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

FOCOMM

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
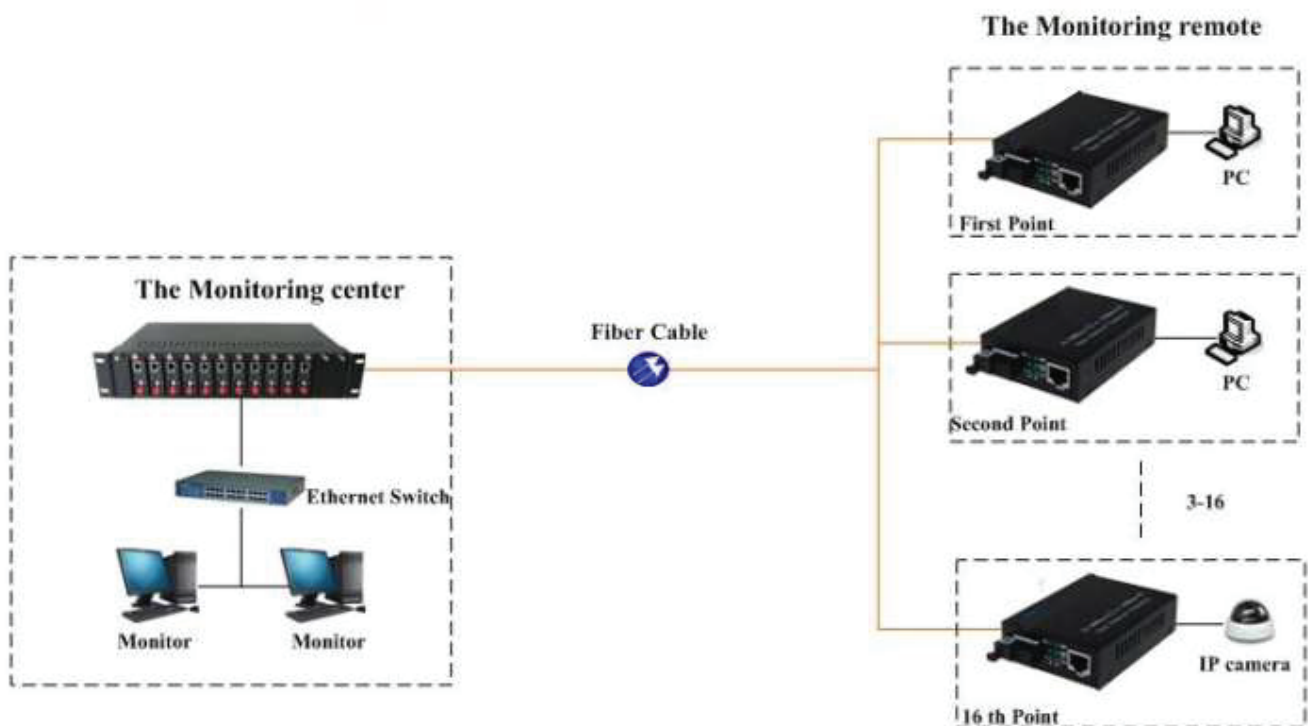- Built in 128Kb RAM for data buffer
- FCC Class A & CE approved

PRODUCT DESCRIPTION

Media converter is a10/100/1000Base-TX to 100Base-FX media converter, which features LFP (Link FaultPass-through) function for easily tracing the network link failure. LFP function can enhance the integrity and conformity of the TP-Fiber linking toimprove the maintainability of the network.

Media converter is powered through external power adapter or uses power from USB port on thehosting device such as PC or NB. This unique idea of using USB port poweroffers great flexibility when deploying this converter. Five LED are providedto monitor the operation status of the converter and the DIP Switch on the sidepanel is used to set the required working configurations to meet variousapplications.

Media converter can beused as a standalone unit or as a slide-in module to converter rack (up to 14 units) foruse at a central wiring closet

APPLICATION

ISO 9001   ISO 14001   ISO 45001:2018   UL

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 1310nmMulti mode;
- Transfer Distance: up to 120km;
- Connectors: SC/PC, ST/PC, FC/PC optional
- Fiber core: 8.3um, 8.7um, 9um and10um 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 andauto-detective 10/100/1000Mbps Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connectionauto-sensing

LEDIndicators

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

DIP SwitchFunction

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

PhysicalCharacteristics

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

EnvironmentalLimits

- 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

PowerRequirement

- Input: 5VDC 1A

AgencyApprovals

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

ORDER INFOMATION

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