FEATURE

- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3x auto-negotiation
- Optional 19"System Chassis 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
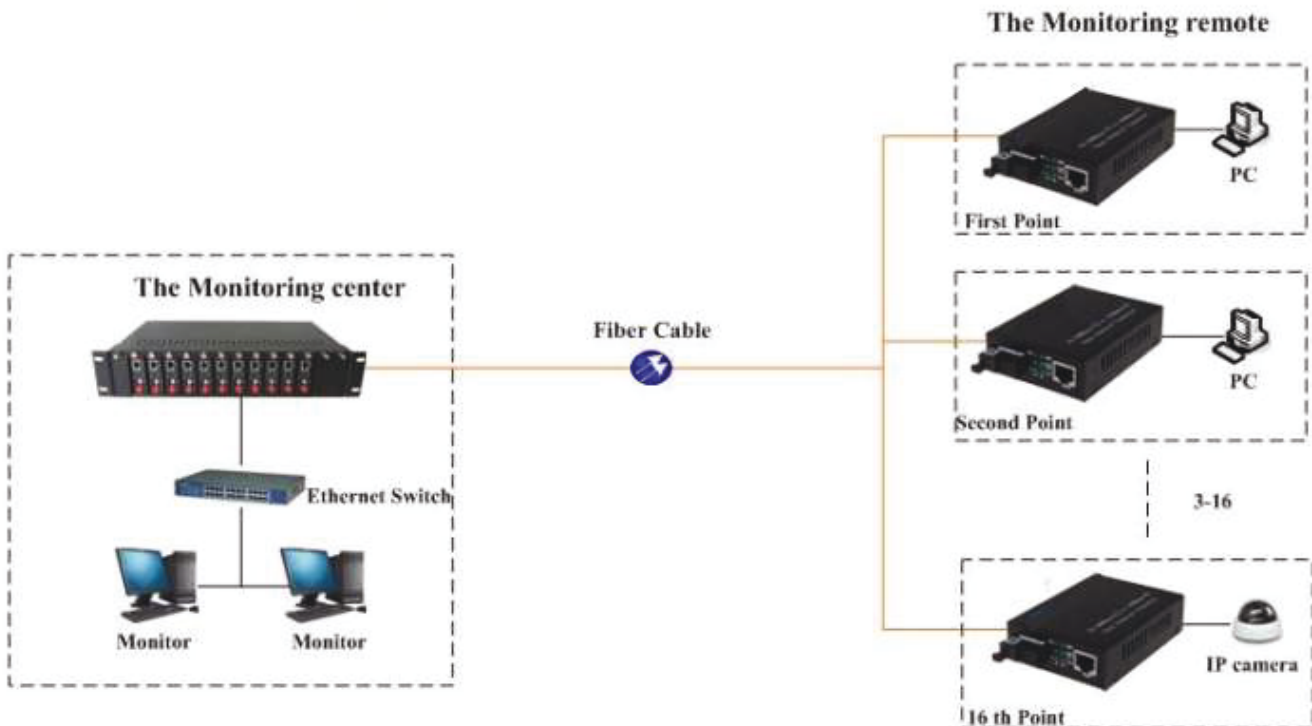- FCC Class A & CE approved , RoSH

PRODUCT DESCRIPTION

   FOCOMM series is among answers to expanding existing Fast Ethernetnetworks. The easy implementation and expansion of 100Base-TX/FX networks canbe further assured with this converter.

   Theconverter is completely transparent when connected so the network performsexactly the way it did before - only now, it allows the co-existence of bothcopper and fiber mediums. Added flexibility is available with ST, SC, FC and WDM Simplex SC connectors. Extra distances are possible with the single modeversion delivering up to 80kmconnectivity per transmitted segment.

   The allows the installation of fiber cabling anywhere within a FastEthernet network topology by directly connecting to existing devices. Itscompact modular design facilitates deployment in a narrow desktop location tosave space.

APPLICATION

SPECIFICATION

Interface

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

- 1 x Optical port (1xSC) 100Base-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

- Optical Receiver Sensitivity -32dBm

- Optical Output Power -15dBm ~ -8 dBm

Ethernet Port

- Standard: IEEE802.3, IEEE802.3u, IEEE802.3x

- Available speed: force 10 Mbps, force 100 Mbps andautodetective

   10/100Mbps 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

PhysicalCharacteristics

- Housing: Metal enclosure

- Dimensions: 94 x 70 x 26mm(D x W x H)

- Weight: 0.28kg

EnvironmentalLimits

- Operating Temperature: -10°C to 70°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, RoSH

ORDER INFOMATION

PRODUCT	PART NUMBER
Media Converter 10/100 WDM,1310nm Tx, 1550nm Rx, 25Km	MC-FW13-25
Media Converter 10/100 WDM,1550nm Tx, 1310nm Rx, 25Km	MC-FW15-25
Media Converter 10/100 WDM,1310nm Tx, 1550nm Rx, 40Km	MC-FW13-40
Media Converter 10/100 WDM,1550nm Tx, 1310nm Rx, 40Km	MC-FW15-40
Media Converter 10/100 WDM,1310nm Tx, 1550nm Rx, 80Km	MC-FW13-80
Media Converter 10/100 WDM,1550nm Tx, 1310nm Rx, 80Km	MC-FW15-80