# MEDIA CONVERTER PRODUCTS

**Manage Media Converter 10/100/1000 Tx-Fx, SC, Single-mode**

FOCOMM

## FEATURE

- Complies with IEEE 802.3, IEEE 802.3u, IEEE802.3z, IEEE802.3ab, IEEE 802.3x auto-negotiation
- Extends distances ranging from 2km (MM fiber) to 120km (SM fiber)
- Wall-Mountable
- Auto-negotiation of duplex(HDX/FDX) on RJ-45 port
- Auto MDI/MDI-X support on RJ-45 port
- Rate Limit function, 64Kbps
- Supporting Loopback, precisely locating the failure, convenient for link test
- Supporting LFP, quickly locates the failure
- Supporting remote power off alarming
- Economical management function within bandwidth
- Supporting Remote management
- Easy installation with complete LED indicators for working situation
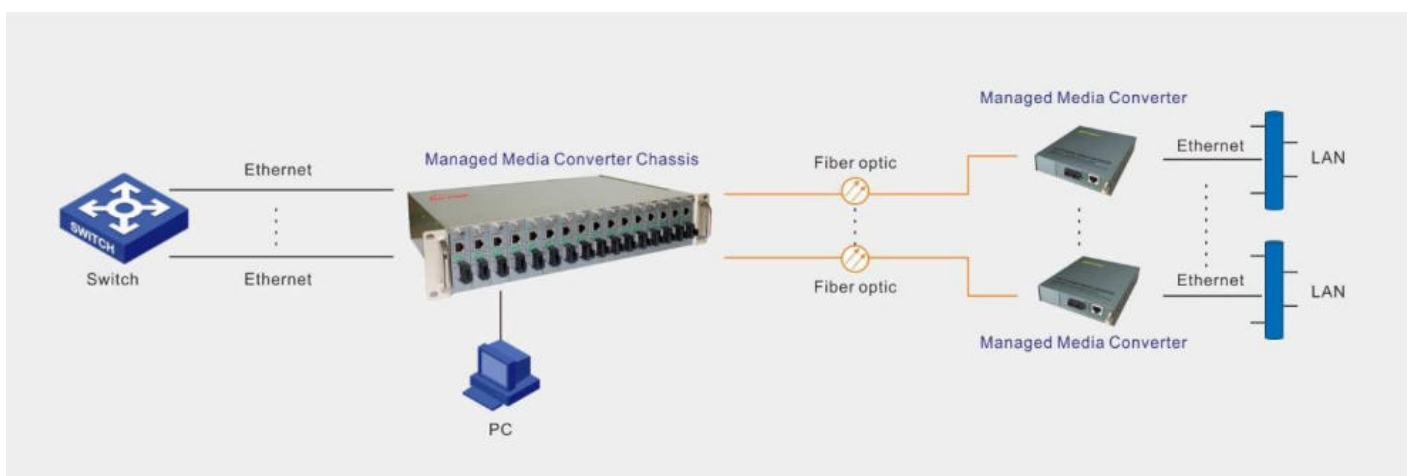- With powerful network management function, supporting WEB and SNMP

## PRODUCT DESCRIPTION

Manage Media Converter Series is designed to make conversion between 1000Base-FX to 10/100/1000Base-TX Gigabit Ethernet. With SNMP agent and web-based management, the network administrator can logon the converter to monitor, configure and control the activity of each port. In addition, the converter implements bandwidth rating management capability via the intelligent software. The overall network management is enhanced, and the network efficiency is also improved to accommodate and deliver high bandwidth applications.

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 120km connectivity per transmitted segment.

## APPLICATION

The following illustrates typical applications for Manage Media Converter series. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.

ISO 9001   ISO 14001   OHSAS 18001   UL

## Interface
- 1 x Ethernet port (RJ45) 10/100/1000Base-Tx
- 1 x Optical port (1x9) 1000Base-Fx

## Optical Port
- Available for 1310nm and 1550nm Single mode, and 850nm Multi 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
- Available speed: force 10Mbps, force 100Mbps, force 1000Mbps and auto-detective 10/100/1000Mbps Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

## Standard
- IEEE802.3 (10Base-T)
- IEEE802.3u (100Base-TX/FX)
- IEEE 802.3ab (1000Base-T)
- IEEE 802.3z (1000Base-SX/LX/CX/T)
- IEEE802.3x (Flow control)
- SNMP v1/v2c (Simple Network Management Protocol)

## LED Indicators
- Power Status, Speed Status, FX Link/Act, TX Link/Act

## Power Requirement
- Input: 220V AC Internal Power Adapter

## Physical Characteristics
- Housing: Metal enclosure
- Dimensions: 156 x 128 x 32mm (excluding the connector and power switch)
- Weight: 0.75kg

## Environmental Limits
- Operating Temperature: 0°C to 50°C
- Storage Temperature: -20°C to 70°C
- Operating Humidity: 10% to 90% RH (non-condensing) • Storage Humidity: 5% to 90% RH (non-condensing)

## Agency Approvals
- FCC Part 15 of Class A & CE approved

## ORDER INFOMATION

| PRODUCT | PART NUMBER |
| --- | --- |
| Media Converter, Management 10/100/1000 Tx SC, SM, 40Km | MC-MG9LFP-40 |
| Media Converter, Management 10/100/1000 Tx SC, SM, 80Km | MC-MG9LFP-80 |