

# MEDIA CONVERTER

Card Media Converter, 10/100/1000 Mbps WDM with LFP Management



## FEATURE

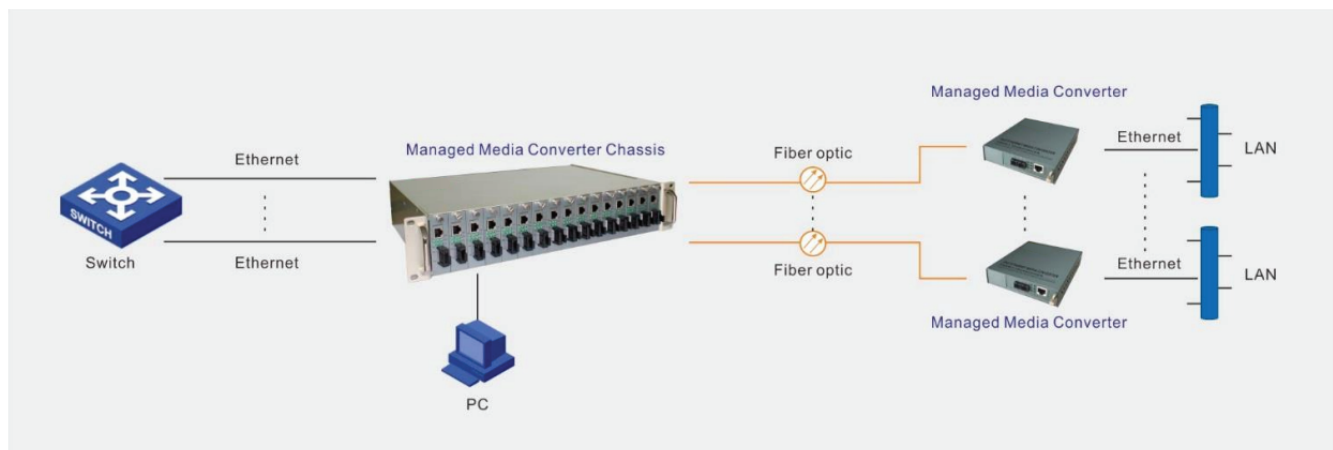
- Complies with IEEE 802.3, IEEE 802.3u, IEEE802.3z, IEEE802.3ab, IEEE 802.3x autonegotiation
- Extends distances ranging from 0.5km (multi-mode fiber) to 120km (single mode fiber)
- Supporting Hot Pluggable
- Optional 19" System Chassis holds up to 16 Media Converters
- Auto-negotiation of duplex(HDX/FDX) on RJ-45 port
- Auto MDI/MDI-X support on RJ-45 port
- Max. 2046 bytes packet at store-and-forward mode; Max. 9K bytes packet at cut-through mode
- 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



## OVERVIEW

FOCOMM The MCC-MGWXX-LFP-XX 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



## SPECIFICATION

### 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 and 10um 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 autosensing

### 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

### 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, RoHS Compliant.

### Warranty

- 3 years

## ORDER INFORMATION

PRODUCT	PART NUMBER
Card Media Converter Management, 10/100/1000 WDM, 1310nm Tx, 1550nm Rx, 20Km	MCC-MGW13-LFP-20
Card Media Converter Management, 10/100/1000 WDM, 1550nm Tx, 1310nm Rx, 20Km	MCC-MGW15-LFP-20
Card Media Converter Management, 10/100/1000 WDM, 1310nm Tx, 1550nm Rx, 40Km	MCC-MGW13-LFP-40
Card Media Converter Management, 10/100/1000 WDM, 1550nm Tx, 1310nm Rx, 40Km	MCC-MGW15-LFP-40
Card Media Converter Management, 10/100/1000 WDM, 1310nm Tx, 1550nm Rx, 80Km	MCC-MGW13-LFP-80
Card Media Converter Management, 10/100/1000 WDM, 1550nm Tx, 1310nm Rx, 80Km	MCC-MGW15-LFP-80