

## FI-MC-F series 10/100M media converter

### 1 GENERAL DESCRIPTION

**FI-MC-F series** media converter complies with IEEE802.3 standards, It is designed to convert data signal between 10/100 Base-TX and 100 Base-FX fast Ethernet. The media converter is connected between Fiber cable and twisted cable segments with network.

The media converter is connected between Fiber cable and twisted cable segments with network operating smoothly.

This converter model can be used as slide-in module to the FI-MCC media converter chassis.

Converter is transparent to all protocols, can be used all all areas as Fiber to The Home, Fiber to the Business or Fiber to The Curb.

Mix up at same FI-MCC-14 chassis any type of converters to create a access pool at the center. FI-MC-F series converters are dual fiber or single fiber converters. 1310 nm or 1550 nm technology can be used, or at specific cases we can offer also more exotic wavelengths as 1610 nm, 1490 nm or any other.

### 2 FEATURES

10/100Mbps and full/half duplex automatically configure in TP port.

Compliant with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX, 100Base-FX Standards

MDI/MDI-X Auto Negotiation

LED Indicators: POWER, FX LINK/ACT, 100, TP LINK/ACT, FDX/COL.

Supports LLR (Link Loss Return) for FX Port

Supports LFP (Link Failure Pass) function

Optional 19" System Chassis (FI-MCC-14) holds up to 14 Media Converters

Hot Pluggable & Wall-Mountable

FCC Class A & CE approved

RoHs compliance

### 4 SPECIFICATIONS & LEDs

#### LED FUNCTION DISCRPTION

LED		STATUS
PWR	ON	POWER ON
	OFF	POWER OFF
FX-SD	ON	RECEIVER OPTICAL SIGNAL
	OFF	NO OPTICAL SIGNAL INPUT
FX-LINK/ACT	ON	LINKED ON FIBER PORT
	FLASH	ACTIVITY
	OFF	NOT LINKED
TX-SPD	ON	100M BASE-TX
	OFF	10M BASE-TX
TX-LINK/ACT	ON	LINKED ON UTP PORT
	FLASH	ACTIVITY
	OFF	NOT LINKED
TX-FDX/COL	ON	FULL DUPLEX
	OFF	HALF DUPLEX

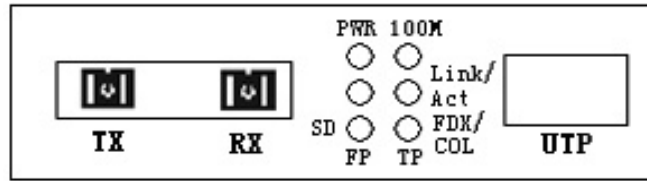


Table 1 : Front panel for dual fiber media converter

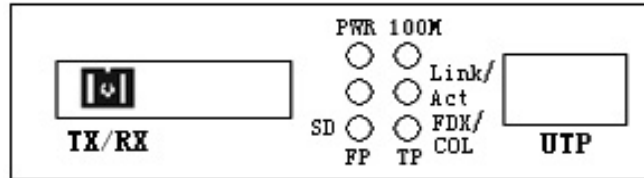


Table 2 : Front panel for single fiber media converter

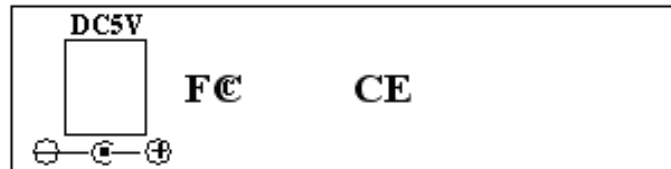


Table 3 : Back panel for single/dual fiber media converter

## 6 PARAMETER

TABLE 6.1 PARAMETER

	FI-MC-F-MM series	FI-MC-F-SM series
Cable	MM Fiber / Twist Pair	SM Fiber / Twist Pair
Transmission Type	10/100M FDX/HDX	10/100M FDX/HDX
MTBF	>3 years	>3 years
BER	<1E-8	<1E-8
Data Buffer	128Kb	128Kb
Power temperature variation	0. 2mw/°C	0. 2mw/°C
Input Power Range (dBm)	0~-30	0~-40
Operate Temperature	0°C~70°C	0°C~70°C
Storage Temperature	-45°C~80°C	-45°C~80°C
I <sub>max</sub>	800mA	800mA
Power	2. 5w	2. 5w
EMC	FCC Part15	FCC Part15
Size	70.5(L)X94(W)X26.5(H)mm(external power supply)	70.5(L)X94(W)X26.5(H)mm(external power supply)
	140(L)X110(W)X30(H)mm(internal power supply)	140(L)X110(W)X30(H)mm(internal power supply)