

LCMC Series

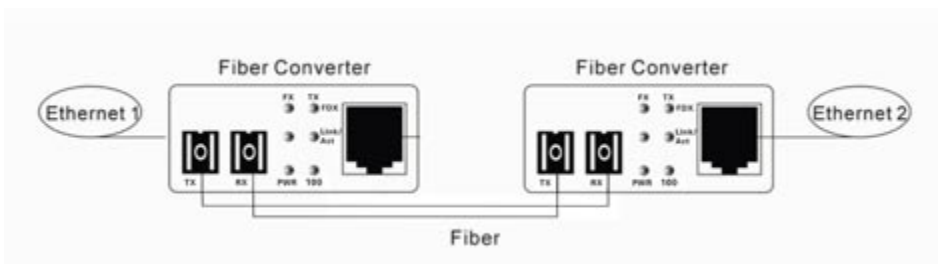
■ Product Overview

The L-com LCMC series media converters are used to convert UTP/STP copper cabling to fiber optic cabling. These plug and play media converters are powered by an external 5V DC power supply (included) and feature easy to read system status LEDs.

■ Features

- IEEE 802.3 and 802.3u Fast Ethernet Support
- 100FX SC fiber optic port
- Full and half duplex communication
- Built-in surge and lightning protection
- Plug-and-play
- Easy to read LED indicators
- Rugged metal case
- Includes external 5V DC power supply

■ Connection Diagram



■ LED Indicator Map

LED light	Function	State	Working
PWR	Power Status	On	Power on
		Off	No power
FX LINK/ACT	100Base-FX port link state indication light	On	Fiber connected
		Blinking	Data transfer
		Off	No connection
FX-FDX	Fiber port operation	On	Full duplex
		Off	Half duplex
TX-100	RJ45 Ethernet port mode	On	100Mbps
		Off	10Mbps
TX LINK/ACT	RJ45 Ethernet port state	On	Connected
		Blinking	Data transfer
		Off	No connection
TX-FDX	10/100TX port operational	On	Full duplex
		Off	Half duplex

■ Technical Specifications

Watts	2.5w
Current (mA)	200mA
Baud rate (bps)	Ethernet 10/100M, fiber optic 100M
Transfer distance (Km)	LCMC-MC-2 2km LCMC-SA-25 25km LCMC-SA-40 40km LCMC-SA-60 60km LCMC-SA-80 80km
Optic wavelength (nm)	Multimode: 850/1310 Single mode:1310/1550
Connectors	1 RJ45,1 Fiber Optic Duplex SC
Error rate	$\leq 10^{-9}$
EMC	According to FCC part 15
Operating temperature	0 - 70C
Storage temperature	-45 - 80C
Relative humidity	0 ~ 95%
Dimensions (mm)	95mm × 70mm × 26mm
MTBF	>3 years
IEEE standard	802.3, 802.3u

Communication Distance	Sent Wave nm	Receive Wave nm	Transmit Power dBm	Receiver Sensitivity dBm	Light Saturation dBm	Power Loss dB/km
Multimode 2km	850	850	-10~-3	≤ -24	≥ -9	4
Single mode 25km	1310	1310	-15~-8	≤ -36	≥ 0	0.35
Single mode 40km	1310	1310	-8~-3	≤ -38	≥ 0	0.35
Single mode 60km	1310	1310	-3~0	≤ -38	≥ 0	0.35
Single mode 80km	1550	1550	-5~0	≤ -38	≥ 0	0.25

■ Warranty

We warrant our manufactured products and assemblies for a period of one year from time of purchase. These products are warranted against defects in workmanship or materials under normal use. We cannot warranty our products in case of misuse, acts of God, or consequential damage. Alteration of product cancels all warranties. Under no circumstances will we be responsible for any damage beyond the replacement cost of the defective merchandise. We reserve the right to repair or replace any products that are returned under warranty.

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