

50 High Street, West Mill, 3rd floor, Suite #30, North Andover, MA 01845 Tel: 800-343-1455 Fax: 978-689-9484 or 978-685-6467 E-mail: sales@L-com.com Web: www.L-com.com

# **LCMC Series**

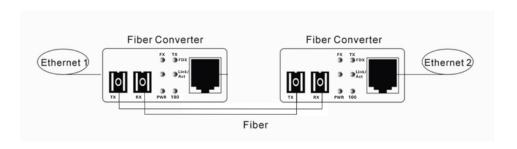
#### **■ Product Overview**

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	Dower Status	On	Power on	
PWN	Power Status	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	
	וטי וטטוא טטונ טטפומנוטוומו	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	<b>≤</b> 10 <sup>-9</sup>			
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.

Tech Support: <u>Techsupport@l-com.com</u> 1-800-343-1455 Outside of the USA Call 1-978-682-6936 www.L-com.com

Copyright © L-com Global Connectivity 2011