

# CM-011 Fiber Converter Series

## 10/100TX to 100FX Media Converter

- Build in Link Loss Forwarding Technology
- Standalone and Chassis design
- Redundant power design for Chassis
- Auto Negotiation Speed, Half/Full Duplex



### OVERVIEW

Lantech CM-011-SC/ST/WDM (CM-100L) fiber converter series extend not only the transmitting distance, but also are the most economic solution with practical features. For example, Auto-MDI/MDIX feature avoids the problem of cabling. 4 DIP switches are to adjust transmitting mode and Link Loss

Forwarding (LLF) feature. Lantech provides various modules to satisfy the demand of users include WDM/SC/ST/SC single mode (20/30/60km) interfaces. Furthermore, CM-011-SC/ST/WDM can be plugged in Lantech Converter Chassis for power redundancy and rack-mounting purpose.

### FEATURES & BENEFITS

- Complies with IEEE 802.3 10Base-T, IEEE 802.3u and IEEE 802.3x Standard
- 10/100TX to 100FX Media converter
- Standalone and Chassis design
- Redundant power design for Chassis
- Built in Link Loss Forwarding Technology
- TX port support Auto MDI/MDI-X
- Auto Negotiation Speed, Half/Full Duplex
- Hot swap for chassis

### SPECIFICATION

Standards	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX/100BASE-FX IEEE802.3x Flow Control and Back Pressure	Power	Chassis Cabinet: AC 100~240 V, 50/60 HZ, 90w*2 Stand-alone (external adapter): DC9V / 0.7A
Connector	Fiber: Duplex ST/SC/MT-RJ/VF-45, Simplex SC(WDM single mode) RJ-45 Socket: CAT-3/5 (10/100Mbps) Twisted Pair cable Auto MDI/MDI-X and Auto-Negotiation Function Support [Multi-Mode] power budget: Min: 9dB, MAX: 19dB. [Single-Mode] power budget: Min: 19dB, MAX: 26dB.	Environment	Operation Temp.: 0°C to 45°C (32°F to 113°F) Operation Humidity: 10% to 90% (Non-condensing)
Switch architecture	Store and Forward	LED	Module: Power, TX (100Mbps, LK/Act, FDX/COL), Fiber(LK/Act, FDX/COL) Chassis: Power Good (A,B), Fail (A,B)
Fiber parameters	Fiber Core: Multi-Mode (62.5/125um, 50/125um), Single-Mode (8/125um, 10/125um) Wavelength: 1310nm(Multi-mode), 1310nm(Single-mode), 1550nm(WDM, TX), 1310nm(WDM, RX) Fiber Dis.: Multi-Mode Fiber 2KM, Single-Mode Fiber (30 KM), WDM (Single-Mode)20KM	DIP Switch	DIP Switch 1: UTP Auto-Nego / 100Mbps Full Duplex mode DIP Switch 2: Fiber Full/Half Duplex DIP Switch 3: LLF (Link Loss Forwarding) Disable/Enable DIP Switch 4: Switch Converter / Pure converter mode
Link Loss Forward	TX=>Fiber: If TX port link down, then converter will forced fiber to link down. Fiber =>TX: If Fiber port link down, the media converter will forced TX port to link down.	Dimension	Module: 119mm x 85mm x 26mm Multi-Converter Chassis - 440mm x 266mm x 133 mm (3U, 19")
		Transparent packet	64 to 1600 Bytes
		Storage Temp.	-40°C to 70°C
		EMI & Safety	FCC Class A, CE & UL,cUL
		Warranty	2 years

### ORDERING INFORMATION

- **CM-011**.....P/N:8421-150  
100FX (100FX, ST, Multi-Mode, 2km) to 10/100TX Converter
- **CM-011-SC**.....P/N:8421-151  
100FX (100FX, SC, Multi-Mode, 2km) to 10/100TX Converter
- **CM-011-SC(SC/60km)**.....P/N:8421-170  
100FX (100FX, SC, Single-Mode, 60km) to 10/100TX Converter
- **CM-011-SC(SC/30km)**.....P/N:8421-171  
100FX (100FX, SC, Single-Mode, 30km) to 10/100TX Converter
- **CM-011-WDM13**.....P/N:8421-180  
WDM fiber Modular converter, 100FX (100FX, LC, Single-Mode, 20km, Tx 1310nm, Rx 1550nm) to 10/100TX converter
- **CM-011-WDM15**.....P/N:8421-181  
WDM fiber Modular converter, 100FX (100FX, LC, Single-Mode, 20km, Tx 1550nm, Rx 1310nm) to 10/100TX converter

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