

CM-011 Fiber Converter Series

10/100TX to 100FX Media Converter

- Built in LFP and Enabled LLF Technology
- Standalone and Chassis design
- Redundant power design for Chassis
- DIP switch for LLF, Auto negotiation, Half/ Full Duplex and Converter mode



OVERVIEW

Lantech CM-011-SC/ST/WDM 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. The built-in LFP(Link Fault Pass) can link down the Fiber TX or RX when either one is lost in order to immediate trigger LLF for complete link down. Lantech provides various modules to satisfy the demand of users include WDM/SC/ST

single mode (20/30/60km) interfaces.

Furthermore, CM-011-SC/ST/WDM operates in wide temperature from 0°C to 45°C for more critical industrial environment.

Lantech CM-011 can be slide in Lantech 10-slot converter chassis for power redundancy for central connection.

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 slide in chassis design to 10-slot converter chassis
- Built in Link Loss Forwarding Technology
- TX ports support Auto MDI/MDI-X
- Hot swap for chassis

SPECIFICATION

Standards	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX/100BASE-FX IEEE802.3x Flow Control and Back Pressure	Power Consumption	<table border="1"> <thead> <tr> <th colspan="2"></th> <th>AC 90V</th> </tr> </thead> <tbody> <tr> <td rowspan="2">DC 5V</td> <td>Unload</td> <td>3.18A</td> </tr> <tr> <td>Full Load</td> <td>3.87A</td> </tr> </tbody> </table>			AC 90V	DC 5V	Unload	3.18A	Full Load	3.87A
		AC 90V									
DC 5V	Unload	3.18A									
	Full Load	3.87A									
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								
Power	Chassis Cabinet: AC 100~240 V, 50/60 Hz, 90w*2 Stand-alone (external adapter): DC9V / 0.7A	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
- **Multi-Converter Chassis**.....P/N: 8420-005
10 Slots Converter Chassis + 1 Redundant Power Supply

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