CM-021-GB II

10/100/1000BaseT to Gigabit Fiber Media Converter

- *Build in Link Loss Forwarding Technology*
- *Jumbo frame up to 9K byte on switch mode*
- *Standalone and Chassis design*
- *Auto Negotiation Speed, Half/Full Duplex*

FC CE cUL RoHS

OVERVIEW

Lantech CM-021-GB II Gigabit converter can extend your network distance by converting UTP to Fiber long haul connection. It is backward compatible to 10/100TX as the UTP design is tri-speed.

Lantech CM-021-GB II supports Jumbo frame up to 9K byte on switching mode so it is suitable for the backbone connection where could have jumbo packets on the network.

The practical feature of LLF is essential for media converter to alert MIS about the one end connection lost. It will cut off transmission immediately when one end is disconnected.

New CM-021-GB II is designed with auto-mode on speed, half or full duplex detection and adapted to correspondent port for UTP and/or Fiber connection without manual setting.

Lantech CM-021-GB II can be plugged in Lantech 10-slot converter chassis for power redundancy and rack-mounting purpose. The 10-Slot chassis has hot-swappable design for our converter series.

FEATURES & BENEFITS

- **10/100/1000T to 1000M Fiber (MiniGBIC) LC Media Converter**
- **Standalone and Chassis design**
- **Support Jumbo frame up to 9K byte on switch mode**
- **Auto mode on Speed , Half / Full Duplex for UTP & Fiber connection**
- **Built-in LLF (Link Loss Forwarding) Technology to cut off transmission immediately when one end is disconnected**
- **AUTO MDI/MDIX on UTP port**
- **Hot swappable design for Lantech 10-slot chassis**

SPECIFICATION

Standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BaseT, IEEE 802.3x Flow Control and Back pressure
Connector	Fiber: Duplex SC/MINI GBIC 3.3V/ WDM RJ-45 Socket: CAT-5e (10/100/1000Mbps) Twisted Pair cable Auto MDI/MDI-X and Auto-Negotiation Function Support
Switch architecture	Store and Forward
Fiber parameters	Fiber Core: Multi-Mode (62.5/125um, 50/125um) Single-Mode (9/125um)
Transparent packet	64 to 1536 Bytes for Ethernet packet
Link Loose Forward	UTP=>Fiber: If UTP port link down, then media converter will forced fiber to link down. Fiber=>UTP: If Fiber port link down, the media converter will forced UTP port to link down
DIP Switch	DIP Switch 1: LLF(Link Loss Forwarding) Disable/Enable DIP Switch 2: Switch Converter/Pure Converter mode DIP Switch 3: n/a
Jumbo Frame	9Kbyte

LED	**Power** (Green)
	UTP : GREEN: 1000Mbps
	    AMBER: 100Mbps
	    OFF: 10Mbps
	Lnk/Act: UTP: GREEN: Link up
	    BLINK: Transmitting
	    OFF: Link down
	    FIBER: GREEN: Link up
	    BLINK: Transmitting
	    OFF: Link down
	FDX: UTP: AMBER: Full-Duplex mode
	    OFF: Half-Duplex or Link down
	    FIBER: AMBER: Full-Duplex mode
	    OFF: Link down

Power	Stand-alone (external adapter):DC 9V / 0.7A
Dimension	119mm x 85mm x 26mm
EMI & Safety	FCC Class A, CE, UL, cUL
Warranty	2 years

ORDERING INFOMATION

- **CM-021GB-II…………..……........P/N:8421-232**
  10/100/1000T to 1000M MiniGBIC Gigabit Converter w/LLF design