Quick Installation Guide

HMC-CMT-G1S

Mini-Type 10/100Base-TX to 100Base-FX Ethernet Media Converter

Package Content

- Mini Type Media Converter x 1
- 1A 5VDC Power adaptor x 1
- Quick Start Guide x 1

Installation

1. **Interface**

   - RJ-45 interface: The transmission media adopts CAT5 or CAT5e twisted-pair with maximum length up to 100meters (330feets).

   - Fiber interface: fiber interface is of duplex mode type, including two interfaces, namely TX and RX. When the two sets of optical transceiver are interfaced or connected to switch with fiber interface, the fiber is in cross connection, namely "TX-RX", "RX-TX" (direct butting for single optical fiber transceiver module).

   - Power supply interface: The AC/DC power adaptor is connected to DC-input jack of media converter.

2. **Connection**

   The network device (IP camera, wireless AP, VoIP phone, etc.) with RJ-45 interface is connected to RJ-45 jack of media converter through twisted-pair. And the multi/single mode optical fiber is connected to SC/ST fiber interface of the optical transceiver module. Then connect the AC power

adaptor, the media converter will work. The corresponding LED is on for correct connection (See the table below for the LED indicator lamp).
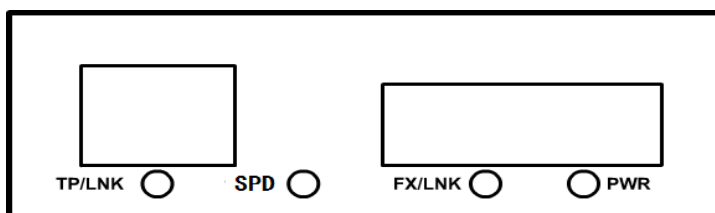
Description for LED indicator lamp

LED indicator lamps serve as device monitoring and trouble display. The following is the description for each LED indicator lamp.

TP/LNK	Bright: twisted pair is connected well, but no data transmission
	Blinking: receiving data
SPD	ON: 100M (TP)
	OFF: 10M (TP)
FX/LNK	Bright: optic fiber cable is connected well, but no data transmission
	Blinking: when receiving data
PWR	ON: the power is ok

Introduction to DIP switches

NO.	Function	Status	Description
1	LFP	OFF	Disable
		ON	Enable
2	ALS	OFF	Disable
		ON	Enable
3	FX Reset	OFF	Disable
		ON	Enable
4	FX Speed Set	OFF	Disable
		ON	FX 100M

1. LFP: Link fault pass through

2. make the media converter appear transparent to the connected end devices. It uses link fault pass- through to indicate when far-end fault issues occur. If a fault occurs, the end device indicates a failure for troubleshooting.

3. ALS: Automatic laser shutdown is a procedure to automatically shut down the laser when there is no input light and stop emitting optical signals.

4. FX: Optical Fiber Port

5. FX Reset: When enabled, the PoE will restart if there is no data input to the UTP receiver.

Notes:

When LFP is enabled, ALS is disabled automatically; When ALS is enabled, LFP is disabled automatically; When FX Reset is enabled, the MC will be rebooted when FX link is down.

Cautions

1. This product is suitable for indoor application.

2. Put on the dust cover of fiber interface when no used.

3. It is forbidden to stare at the TX fiber-transfer end with naked eyes.

4. Single optical fiber transceiver must be used in pair.

Trouble shooting

1. Device is not matched. Please select the corresponding network device according to the transfer rate of the product (10Mbps or 100Mbps) when connected to other network devices.

2. Line loss is excessive during the fiber wiring. Excessive loss in connector plug-in and fiber soldering welding, and excessive intermediate nodes may cause excessive loss rate or abnormal operation.

General

To ensure a smooth transportation and storage process, Hepda products are carefully inspected, tested, and securely packed before delivery. Upon receiving the product, please check for any visible damage that may have occurred during shipping.

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