

**LP-CHOSF41001 10G SFP+ one port media converter chassis
with external power supply. User's Manual**

LPCHOSF41001_UM_ENB01W

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1 Over view

LP-CHOSF41001 10G IEEE802.3z/Az converter supports two types media for network connection such as 10G Base-T and 10G SFP+. The media converter is designed with a switch controller and buffer memory that connects two types segments to operate smoothly. With external power unit, it provides good stability and reliability.

2 Check List

Before you installing the Converter verify that the package contains the following:

- The TP Fiber Media Converter
- AC Power Cord
- This User's Manual

Please notify you sales representative immediately if any of the aforementioned items is missing or damaged.

3 LED Description

There are four LED at front view of 10G SFP+ Converter

FX	Lit when FX connection is good
10G	Lit when FX/TP speed is 10Gbps Blinks when FX/TP speed is 1Gbps
Link	Lit when TP connection is good. Blinks when TP data is transmitting
PWR	Lit when +5V power is coming up

4 Fiber Technical Specifications

	10G Base-SR	10G Base-LR
Connector Type	LC	LC
Fiber Type	Multimode	Singlemode
Wavelength	850nm	1310nm
Max Distance	<300m	10km
Min TX PWR	-6.0dBm	-8.2dBm
Max TX PWR	<-1.0dBm	<-14.4dBm
Sensitivity	<-11dBm	<-14.4dBm
Link budget	5.0dBm	6.2dBm

	10G Base-ER	10G Base-ZR
Connector Type	LC	LC
Fiber Type	Singlemode	Singlemode
Wavelength	1550nm	1550nm
Max Distance	40km	80km
Min TX PWR	-4.7dBm	0dBm
Max TX PWR	4dBm	5dBm
Sensitivity	<-15.8dBm	<-23dBm
Link budget	11.1dBm	23.0dBm

5 Installing the Converter

- Attach SFP+ to SFP+ cage on the converter
- Attach fiber cable from the converter to the fiber network. The fiber connections must be matched: transmit socket to receive socket.
- Attach UTP cable from the TP network device to the RJ45 port on the converter.
- Connect the power cord to the converter and check that the Power LED Lights up. The TP Act and FX Act LEDs will light when all the cable connections satisfactory.

6 Technical Specifications

The Converter conforms to the following:

- **Standards:** IEEE 802.3z/Az 10G Base-T and 10G Base-SR/LR.
- **UTP Cable:** CAT 6 cable and up to 100m
- **Fiber Cable:**
10G SR:50/125, 62.5/125um Multimode.
10G LR: 9/125um Singlemode.
- **Data Transfer rate:** 20Gbps for full-duplex at 10Gbps speed.
- **LED Indicators:** 10G, FX, Link, PWR
- **TP Flow Control:** NWAY auto-negotiation
- **Fiber Flow Control:** NWAY at full-duplex mode
- **Power requirement:** 220V (100-240V) AC, 50Hz
- **Ambient Temperature:** 0~50°C
- **Humidity:** 5%~90%
- **Dimensions:** External power: 28x86x117mm (H x W x D).