

# User Manual

## 10/100/1000M SFP Media Converter

### LO-9500-G-SFP

#### FCC MARKING

This Equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### CE MARKING

This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE, the essential protection requirement of Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Company has an on-going policy of upgrading its products and it may be possible that information in this document is not up-to-date. Please check with your local distributors for the latest information. No part of this document can be copied or reproduced in any form without written consent from the company.

#### Trademarks:

All trade names and trademarks are the properties of their respective companies.

## Key Features

- Complies with IEEE 802.3, IEEE820.3U, IEEE802.3ab, IEEE802.3E/AB standard, for 10M, 100M, and 1000M
- Up to 6 LED's for status indication
- Support LFP Link Fault Pass through
- 2M memory buffer built in
- Supports full and half duplex Mode for 10/100M, and full duplex for 1000M
- Support low-delay time pure data transmission
- Support back pressure flow control for Half/Full duplex
- Supports auto MDI/MDI-X crossover detecting and auto correction.
- External power adapter 5VDC/1.0 A
- RoHS compliant

## Front Panel

Please refer to the following description for the front panel



## LED Definition:

LED	Status	Operation
Power	On	Power is on
Link/Act (FP)	On	Fiber link port is connected
	Flash	Packets sending/receiving
Link/Act (TP)	On	TX port is connected
	Flash	Packets sending/receiving on TX port
FDX/Col	On	TX port Full duplex mode active
	Off	TX port Half duplex mode active
FX or SD	On	Fiber signal is detected
1000M	On	TX in 1000M speed
	Off	TX in 100M speed

## Rear Panel

Please refer to the following description for the rear panel



Dip switch settings:

ON	OFF	FUNCTION
DIP1	DIP 4	LFP function is enabled by DIP 1 ON/DIP 4 OFF or DIP 1 OFF/DIP 4 ON, they have to be in reverse pair.
DIP 4	DIP 1	Default setting is DIP 1 ON/DIP 4 OFF
DIP2 DIP3		Pass through mode and enable jumbo frame
	DIP2 DIP3	Enable Store and Forward mode (Default)
DIP2	DIP3	Modified cut-through mode

Specification:

Standard	IEEE 802.3 for 10 BASE-T IEEE 802.3u for 100 BASE-TX/FX, IEEE802.3ab for 1000M BASE-TX, IEEE802.3E/AN
Interface	10/100/1000M TX / 1000M FX SC/SFP fiber Fiber interface: SX/MM, LX/SM, 1000M SFP
Optical Specification	Multi-Mode: 50/125, 62.5/125um, 550Meter Wavelength: 850nm Single-Mode: 8.3/125, 8.7/125um, 8/125,10/125um, 10Km Wavelength: 1310/1550 nm
Referenced Transmission Distance	Dual-fiber MM, SX 1000M 550m Dual-fiber SM, LX 10km
Network Speed	For TX - 10/100/1000 Mbps Auto-negotiation, For FX - 1000Mbps
Flow Control	IEEE802.3x flow control for full-duplex model Back-pressure flow control for half-duplex mode
Dimension	93mm(L)*69.5mm(W)*26mm(H)
Temperature	Operating: 0°C~50°C, Storage: -40°C ~ 70°C (-40°F ~158°F)
Humidity	Operating: 10% ~ 90% RH, non-condensing Storage: 5%~95% RH, non-condensing
Power Supply	AC 100-240V/50-60Hz. output 5V/1A
EMI	FCC, CE, RoHS