1 Product Overview

The Gigabit Fiber Media Converter is designed to make conversion between 10/100/1000Base-T and 1000Base-SX/LX (SC/LC) Fiber Ethernet. The overall network flexibility is enhanced, and the network efficiency is also improved to accommodate and deliver high bandwidth applications. Six LEDs are provided to monitor the operation status of the converter and the DIP Switch on the side panel is used to set the required working configurations to meet various applications.

2 Features

- Supports one 10/100/1000Base-T Gigabit Ethernet UTP port and one 1000Base-SX / LX Gigabit Ethernet Fiber port
- Supports 802.3x flow control for full-duplex ports and backpressure for half-duplex ports
- Supports comprehensive types of fiber with different distances and connections, including SC/ST/FC/LC and so on
- Supports jumbo frame size 9K bytes
- Supports independent LFP function
- RoHS Compliance

3 Structure and Interface
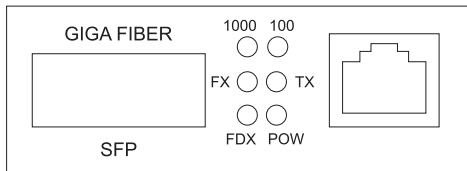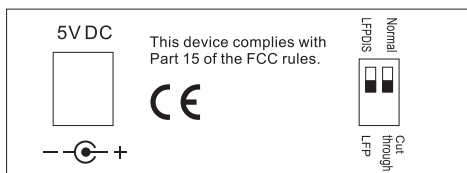
3.1 1*FX/SFP+1*RJ45

Figure 1: front panel

Figure 2: rear panel

4 LED indicator

LED	Color	Function
100	Green	100M Speed is selected
1000	Green	1000M Speed is selected
TX	Green	Lit when TP Connection is good Blinks when TP data is prensent
FX	Green	Lit when Fiber Connection is good Blinks when fiber data is prensent
POW	Green	Lit when Power is available
FDX	Green	Lit when full duplex mode is enabled

5 DIP Switch

DIP switch position	Function
1, 2 - OFF	LFP disabled
1 - ON, 2 - OFF	LFP disabled
1, 2 - ON	LFP with cut through mode enabled

6 Technical Specification

Standard	IEEE802.3, IEEE802.3u/ab/x
Interface	Ethernet : RJ45 Fiber: SFP
Data Rate	Ethernet: 10/100/1000Mbps Fiber: 1000Mbps
Distance	Ethernet: 100m Fiber: based on SFP module
Duplex mode	Full-Duplex / Half-Duplex
Cable	Ethernet: Cat 5/5e/6 UTP cable Fiber: based on SFP module
Power Supply	Input: DC5V
Dimensions	94x70x26mm(Excluding the connector)
Weight	0. 29kg
Temperature	-10°C~+70°C
Humidity	10%~90% (non-condensing)

1000M Media Converter

1*SFP+1*RJ45

User's Manual