D-Link®

100BASE-FX to 100BASE-FX Media Converter

User's Guide

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INTRODUCTION

Thank you for choosing the 100Base Fast Ethernet Media Converter, The Converter introduced here provides one channel media conversion between 100BASE-FX and 100BASE-FX.

About Media Converter

Media Converter is a network technology specified by IEEE 802.3u 100BASE-FX standards.

Product Features

- One-channel media conversion between 100BASE-FX and 100BASE-FX
- Fiber media allows: multi-mode fiber and single-mode fiber using SC connector
- Full wire-speed forwarding rate
- Front panel status LEDs
- Used as a stand-alone device or with a chassis
- Hot-swappable when used with a chassis

INSTALLATION

This chapter gives step-by-step installation instructions for the Converter.

Selecting a Site for the Equipment

As with any electric device, you should place the equipment where it will not be subjected to extreme temperatures, humidity, or electromagnetic interference. Specifically, the site you select should meet the following requirements:

1. The ambient temperature should be between 32 and 104 degrees Fahrenheit (0 to 40 degrees Celsius).
2. The relative humidity should be less than 90 percent, non-condensing.
3. Surrounding electrical devices should not exceed the electromagnetic field (RFC) standards for IEC 801-3, Level 2 (3V/M) field strength.
4. Make sure that the equipment receives adequate ventilation. Do not block the ventilation holes on each side of the switch or the fan exhaust port on the side or rear of the equipment.
5. The power outlet should be within 1.8 meters of the switch.

Connecting to Power

1. This Converter is a plug-and-play device.
2. Connect the supplied AC to DC power adaptor with a power voltage of 7.5Vdc/1.5Amp to the DC-Jack on the converter, and then attach the plug into a standard AC outlet.

Installing in a Chassis

The Converter can be fit into any of the expansion slots on a special designed chassis.
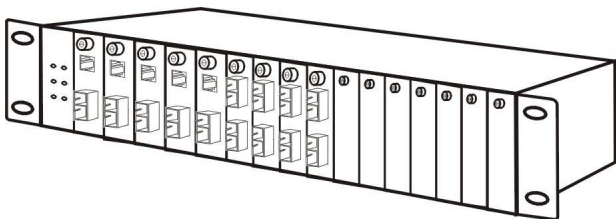

Unscrew and pull out the media converter board
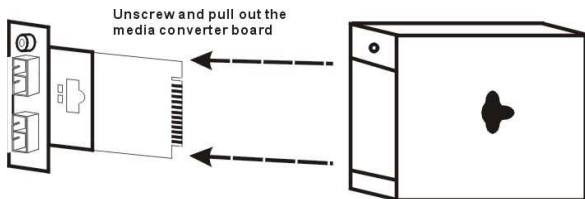
• First, install the converter onto a carrier supplied with

the chassis:

Step 1- Unscrew and pull out the media converter board.

Step 2- Plug in the media board to any of the vacant slot.

Step 3- Fit the converter onto the carrier and use the screw to secure it.

LED Indicator

The LED indicators give you instant feedback on status of the converter:

O LINK-1

PWR O   O LINK-2

LEDs	State	Indication
Power (PWR)	Steady	Power on
	Lights off	Power off
LINK-1	Lights on	Linking on port FX-1
	Lights off	Not Linking
LINK-2	Lights on	Linking on port FX-2
	Lights off	Not Linking

SPECIFICATIONS

Standards:	IEEE802.3u 100BASE-FX
Data Transfer Rate:	148800pps for 100Mbps
Duplex Mode:	Full Duplex Mode
LED indicators:	PWR, LINK-1, LINK-2
Media Interface:	SC
EMI Compatiblity:	FCC Class B CE Certification, Class B VCCI Class B
Temperture:	Storage: -10°C ~ 70°C Operating: 0°C ~ 40°C
Humidity:	10% ~90% non-condensing
Power Consumption:	0.6 Watts (maximum)