

MM-SM SERIES CONVERTER User's Guide

IEEE802.3z 1000BaseSXLX

1. Overview

Avoid multimode fiber's 2km maximum diving distance by using singlemode to multimode converters. It integrates multimode fiber and singlemode fiber, supporting transmitting distance up to 80km in singlemode fiber.

Singlemode to multimode media converter provide the standard repeater function.

This series device include several types:

- 1) Wavelength Switch Device : It can provide data transmission between two wavelength , such as 1310nm↔1310nm、1310nm↔1550nm、1310nm↔850nm、850nm↔1550nm

This kind of device also can be used as positive power enlarge device

- 2) Mode Switch Device: It can provide data transmission between multi mode (850nm,1310nm)and single mode (1310nm,1550nm), This kind of device also can be used as positive power enlarge device.

- 3)Fiber Switch Device: It can provide the data transmission between single-fiber and dual-fiber.

- 4)Switch deferent wavelength and two types of mode.

Our company can provide this kind of device with deferent data rate (155M、622M、1.25G),The longest distance can be 80km.

2. Technical specifications

- Fiber A: multi - fiber port
- Fiber B: single -fiber port
- LED:power*2 FIBER A、FIBER B
- Standard:IEEE 802.3u 100Base-FX

Port:SC/ST/FC/LC
Power:DC 5V

Power Consumption:2.5w

Operating temperature:0℃~70℃

Operating humidity:5%~90%(no-condensation)

Demension:30mm(H)*112mm(W)*141mm(D)

Single mode :1300nm、1310nm、1550nm

Multi mode: 1310nm、1300nm、850nm

Transmission fiber:

Multi mode:50/125、62.5/125 or 100/140um

Single mode:8.3/125,8.7/125,9/125 or 10/125um

Transmission distance:

Multi mode:2Km

Single mode:2~80Km

3. Front and rear panel schematic

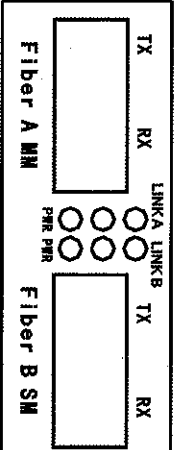


Fig 3.1 Schematic diagram of the front panel

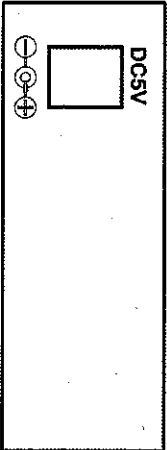


Fig 3.2 Schematic diagram of the rear panel

4. Connection

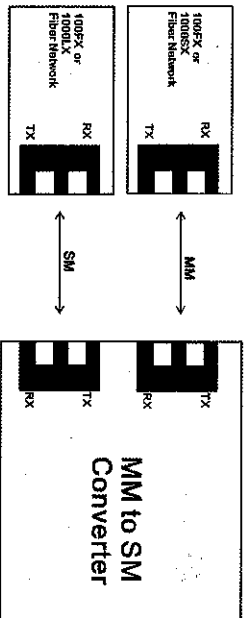


Fig 4.1 Connection diagram

5. LED indicator description

LED	State	Indications
POWER	OFF	No power
	ON	Port A multimode fiber signal detects: a valid connection established.
	Blink	Transmission andreceiving data
LINK A	OFF	Multimode fiber link failed.
	ON	Port B single mode fiber signal detect: a valid connection established.
	Blink	Transmission andreceiving data
LINK B	ON	Single mode fiber link failed
	OFF	Transmission andreceiving data

6. Packing list

The box should contain the following items:

- MM-SM Converter
- AC/DC adapter
- User's guide