

# MM-SM CONVERTER

## User's Guide

V 2.0

### FCC Warning

The MM-SM series converters have been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These standards are designed to provide reasonable protection against harmful interference when these devices are operated in a commercial environment. These devices generate, use, and can radiate radio frequency energy and may cause harmful interference to radio communications unless installed in accordance with this User's Guide. Operation of these devices in a residential area is likely to cause harmful interference which will make the user responsible for the appropriate remedial action at his / her own expense.

### CE Mark Warning

These are Class A products. In a domestic environment these products may cause radio interference in which case the user will need to consider adequate preventative methods.

## 1. Packing list

The box should contain the following items:

- MM-SM Converter
- AC-DC Power Adapter(for external power units) or Power cords (for internal power units)
- User's guide
- Warranty Card

Please notify your sales representative immediately if any items are missing or damaged.

## 2. Overview

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 120km.

## 3. Outlooking and Features

Fiber A: multi - fiber port

Fiber B: single -fiber port

LED:power\*2 FIBER A、 FIBER B

Standard:IEEE 802.3

Port:SC

Power:DC 48V/1A

Operating temperature:0°C~70°C

Operating humidity:5%~90%

Surporting full duplex and half-duplex transmission

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

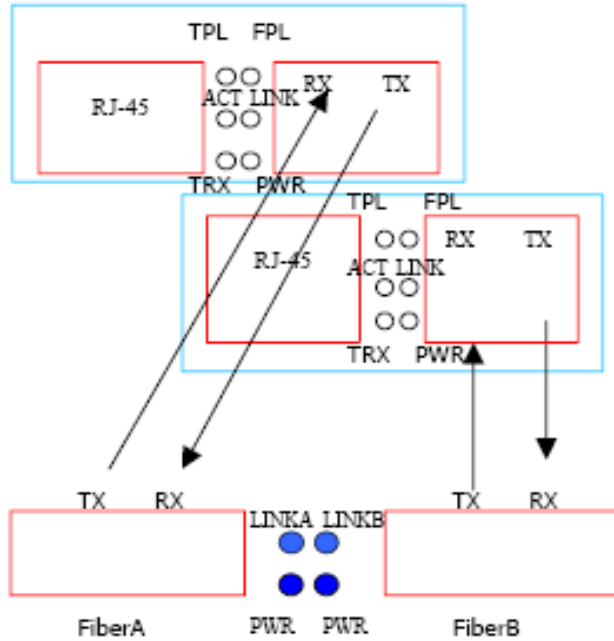
Single mode:8.3/125,8.7/125,9/125 or 10/125um

Transmission distance:

Multi mode:2Km

Single mode:2~100Km

#### 4. LINK/LED Description



#### Cautions:

1. This product is suitable for indoor application.
2. Put on the dust cover of fiber interface when not used.
3. It is forbidden to stare at the TX fiber-transfer end with naked eyes.