



USER MANUAL

Fiber Converter

Enjoy the vivid world!

INTRODUCTION

This Fiber Converter is able to convert electrical signal (RJ45) to optical signal and transmit it out, then receive the optical signal which converts from electrical signal (RJ45) and transmit to the latter device.

It has features of low cost, long transmission distance, etc.. Suitable for the Ethernet connection between switch and router, and the connection between IP extenders, etc..



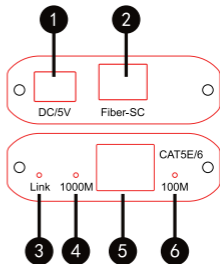
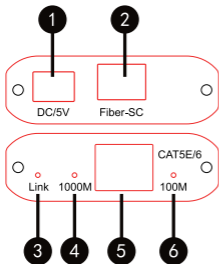
Features:

- * Compliance with 1000Base-T IEEE802.3ab, 100Base_TX IEEE802.3u, 10Base_Te IEEE802.3
- * RJ45 port supports connection methods of direct-through line and crosswire
- * Detect 100 Mbps, 1000Mbps transmission automatically
- * Adopt 1.25G single fiber bi-directional(BiDi),20Km optical fiber module
- * Emission wavelength: 1310nm
- * Receiving wavelength:1550nm
- * Adopt SC port

Specifications:

Distance between input and output of RJ45	120m(Ethernet)
Distance between input and output of RJ45	depend on IP extender (such as 150m)
Fiber level signal	PECLlevel signal
Fiber emission wavelength	1310nm, -3dBm
Fiber receiving wavelength	1550nm, -26dBm
Fiber transmission distance	20Km
Max working current	TX: 0.48A/5VDC, RX: 0.42A/5VDC
Working temperature range	(-10 to +55°C)
Dimension	59x56x19(mm)
Weight	TX: 55g; RX: 55g

Ports instructions:



TX Port:

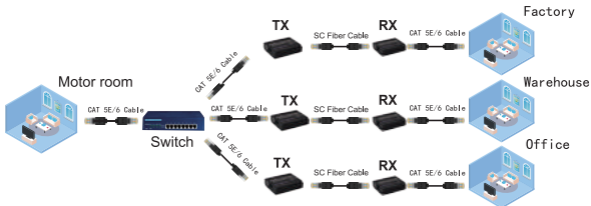
- | | |
|----------------------|------------------------|
| 1. power | 4. 1000Mbps indication |
| 2. optical output | 5. RJ45 input |
| 3. status indication | 6. 100Mbps indication |

RX Port:

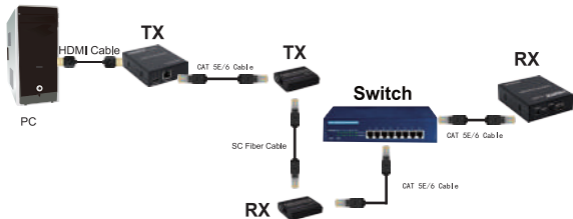
- | | |
|----------------------|------------------------|
| 1. power | 4. 1000Mbps indication |
| 2. optical input | 5. RJ45 output |
| 3. status indication | 6. 100Mbps indication |

Application diagrams

1: Connection of Ethernet



2: Connection of IP extender



Package including

- | | |
|---------------------------|------|
| 1. Fiber Converter TX | 1PCS |
| 2. Fiber Converter RX | 1PCS |
| 3. 5V DC/1A power adapter | 2PCS |
| 4. User manual | 1PCS |