Linsn Technology

Single-mode/ Multi-mode Optical Fiber Converter

V1.1

1. Introduction

1) Size：167mmX108mmX35mm, Hole diameter：0.35CM；

2) Power supply：110V～230V，50Hz/60Hz；

3) Data port：International standard network cable connector；

4) Optical fiber port：SC Model；

5) Multi-mode transmission distance : 500M；Fiber：50/125;

6) Single-mode transmission distance: 20KM；Fiber：9/125（transmission distance about 10KM）or 5/125;

7) Wavelength of multi-mode：850nm，Light power：-5~-14dBm；Sensitivity：-23dBm;

8) Wavelength of single-mode：1310nm，Light power：-3~-10dBm；Sensitivity：-23dBm;

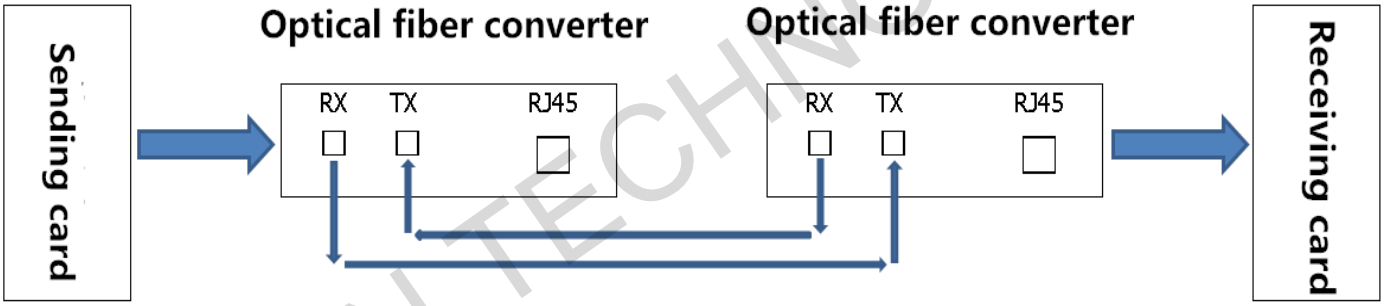
9) Optical Fiber with 2 core or above.

2. Connection：

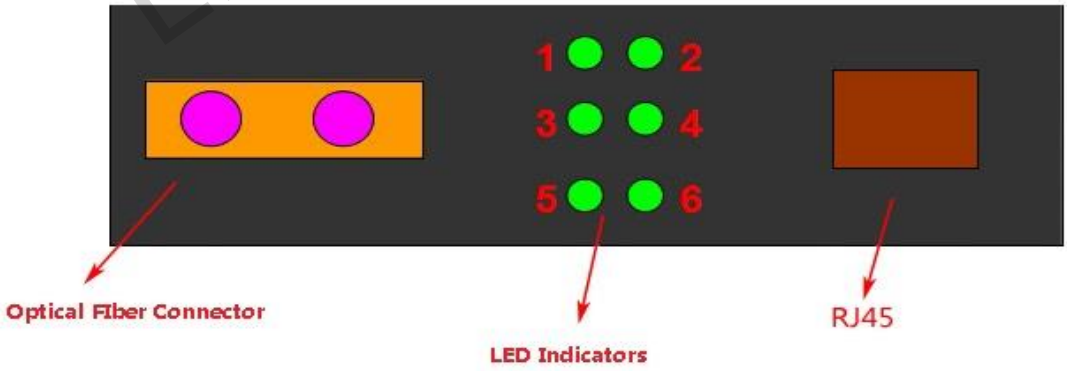
1. Sending card RL45 output to TX converter

2. TX converter to RX Converter with Optical Fiber

3. RX convert to receiving cardRL45



3. LED Indicator Instruction



RX TX

LED1: Optical Signal Input/output Indicator (for TX it is Output, RX is input)

LED2, LED3：Off

LED4: RJ45 signal input/output (TX input, RX output)

LED5, LED6：Power indicator

The following are all in an energized state:

1) When optical fiber and network cable are not connected, LED1, LED4, LED5, and LED6 indicators will light.

2) When the sending side is only connected to sending card with network cable, LED1, LED5, and LED6 indicator will light, and LED4 will blink.

3) When receiving side is only connected to receiving card with network cable, LED1, LED5, and LED6 indicator will light.

4) When optical fiber and network cable are all connected and control cards work properly, LED1 and LED4 will blink, and LED5 and LED6 will light. This is the indicator status under the normal working state.

5) When only optical fiber is connected, LED4, LED5, and LED6 will light. When optical fiber is not working, LED1, LED4, LED5, and LED6 indicator will light.

6) When all connected and no signal to receiving card, LED1 will blink and LED4, LED5, and LED6 indicator will light.

END