USB 3.0 Fiber Modem

Specifications

Overview

Model：FCP-U3T/FCP-U3R （transmitter/receiver）

This series of USB3.0 optical terminal consists of transmitter and receiver. The USB interface (USB2.0) of the host is extended to the far end through single-mode or multi-mode optical fiber and expanded to four USB ports. The maximum transmission distance is 80km (single-mode fiber). It supports 3.0 types of high-speed cameras, hard drives, printers, scanners, audio devices, touch screens, game controllers and other devices, and does not support usb2.0/usb 1.1 downward. The products can be used in many fields like: video conference, multimedia information release, government departments, medical system, commercial exhibition, multimedia function hall, security monitoring, public utilities and so on.

Photo

Features

- It is compatible with USB3.0 protocol and supports USB camera, printer, USB disk, scanner, touch screen and other devices;
- Speed: 5Gbps / s, no delay, ，don't support USB2.0/USB 1.1;
- Transmission distance (multi-mode): 0-300m，single mode is 0-80KM ；
- The optical fiber is extended to the far end to be 4 USB ports, with the maximum total current of 2000mA;
- Transmission characteristics: USB3.0 real-time transmission;
- Four USB 3.0 interfaces can be connected to USB hub extension;
- Low RF / EMI, suitable for sensitive electromagnetic environment applications;
- Optical fiber transmission, no need to drive, compatible with any system, it can work as long as you plug in power;
- Optical power supply：AC220V、DC-48V/DC24V;

Parameters

◆ Fiber

- Fiber port：1

  single core/ dual core

- Connector：LC(SFP)

- Wavelength:850nm/1310 for multi mode;

  1310nm/1550nm(single mode)

- Transmission distance: 0~80Km （normally 0-10KM）

- Typical output power:

  Single mode 1310/1550nm：≥-9dBm

  Multi mode 850nm：-18dBm

  Multi-mode 1310nm: -25dBm

- Receiver Sensitivity：-28dBm~- 40dBm

◆ USB3.0

Standard: USB3.0

Rate：5Gbps/s

USB3.0 input：1*USB3.0 A type female plug

USB3.0 output：3*USB3.0 A type female plug

Total current: Max 2000mA

◆ Working environment

Operating temperature：-10℃—+60℃

Storage temperature：-40℃—+85℃

Storage humidity：0%—95%

（non-condensing）

MTBF： ＞100,000 hours

Specifications

Model	FCP-U3T/FCP-U3R
Function	Transmit 1*USB3.0 over fiber， and expand to four USB interfaces at the remote

	end
Port	1*LC/SFP；1/4*USB3.0
Power	AC220V / DC-48V / DC+24V（optional power）
Size	(L×W×H)　93*70*26mm desktop type
Weight	0.75Kg/piece

Application