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USB2.0 over Fiber Extender

The USB2.0 fiber extender transmits USB2.0 signals at 480Mbps to 20km through two or one optical fibers, and can also expand one USB2.0 interface to four USB2.0 interfaces. The USB2.0 fiber extender consists of a transmitter and a receiver.

The USB2.0 fiber extender uses a dedicated USB2.0 PHY to meet the USB2.0 protocol requirements, and uses SFP+ to complete the photoelectric conversion to achieve stable transmission of USB2.0 Super Speed signals.

Product Features

1. USB2.0 high-speed signal transmission;
2. Provide DC5V power for the devices;
3. Support USB camera, printer, USB flash drives, scanner, touch screen, and other USB2.0 devices;
4. Plug and play;
5. 1 USB2.0 input expanded to 4 USB2.0 output;
6. Compatible with USB1.1 and USB2.0.

Fiber port:

Optical Fiber: Single/Dual Fiber

Connector: SC (FC)

Wavelength: 850nm/1310nm for multi-mode(0-2KM); 1310nm/1550nm for single-mode(0-20KM)

Typical transmission power:

Single-mode 1310/1550nm: $\geq -7\text{dBm}$

Multi-mode 850nm: -16dBm

Multi-mode 1310nm: -22dBm

Receive Sensitivity Range: $-28\text{dBm} \sim -40\text{dBm}$

- USB2.0 Port

Standard: USB2.0

Rate: 480Mbps/s

USB2.0 input: 1*USB2.0 A-type receptacle

USB2.0 output: 4*USB2.0 A-type receptacle

- Working Environment

Operating temperature: $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Storage temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Storage humidity: 0%—95% (non-condensing)

MTBF: $>100,000$ hours

Packing list

- 1* transmitter
- 1* receiver
- 2* DC5V power supply
- User manual & warranty card (1 years warranty)

Product Picture



Application

