Shenzhen Dasheng Digital Co., Ltd.

USB3.0 over Fiber Extender

The USB3.0 fiber extender transmits USB3.0 signals at 5Gbps to 250 meters through two or one optical fibers, and can also expand one USB3.0 interface to four USB3.0 interfaces.

The USB3.0 fiber extender uses a dedicated USB3.0 PHY to meet the USB3.0 protocol requirements, and uses SFP+ to complete the photoelectric conversion to achieve stable transmission of USB3.0 Super Speed signals.

The USB3.0 fiber extender consists of a transmitter T and a receiver R. The transmitter is powered by a USB3.0 A-type connector, and the transmitter is powered by an external power supply, and provides power to the USB3.0 device through the USB3.0 A-type connector.

Product Features

1. USB3.0 Super Speed high-speed signal transmission;
2. Single-mode or multi-mode optical fiber transmission distance up to 250 meters;
3. Meet USB3.0 5Gbps bandwidth;
4. Provide working power for USB3.0 devices;
5. Support USB camera, printer, USB flash drives, scanner,touch screen, and other USB3.0 devices;
6. Plug and play;
7. USB3.0 type A interface;
8. LC optical port;
9. 1 USB3.0 input expanded to 4 USB3.0 output;
10. Not compatible with USB1.1 and USB2.0.

Fiber port:
Optical Fiber: Single/Dual Fiber
Connector: LC (SFP)
Wavelength: 850nm/1310nm for multi-mode; 1310nm/1550nm for single-mode
Transmission distance: 0-250 meters
Typical transmission power:
Single-mode 1310/1550nm: ≥-9dBm
Multi-mode 850nm: -18dBm
Multi-mode 1310nm: -25dBm
Receive Sensitivity Range: -28dBm~- 40dBm

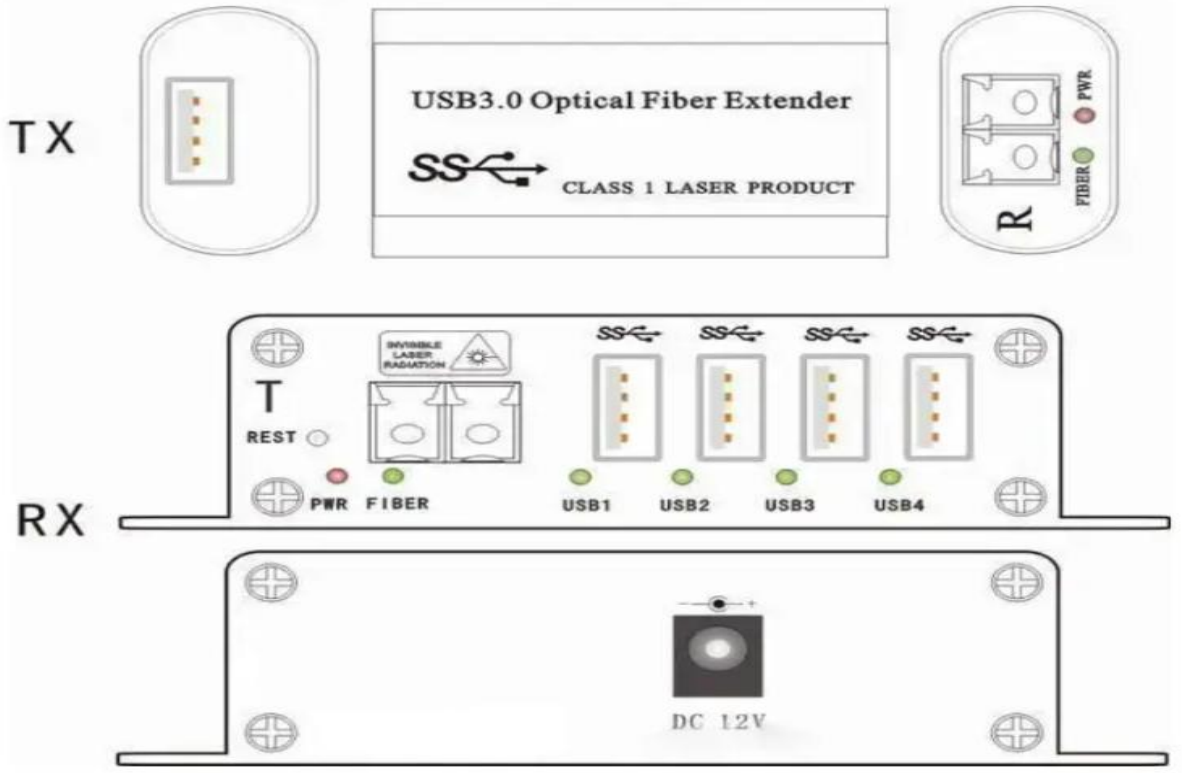
Packing list

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

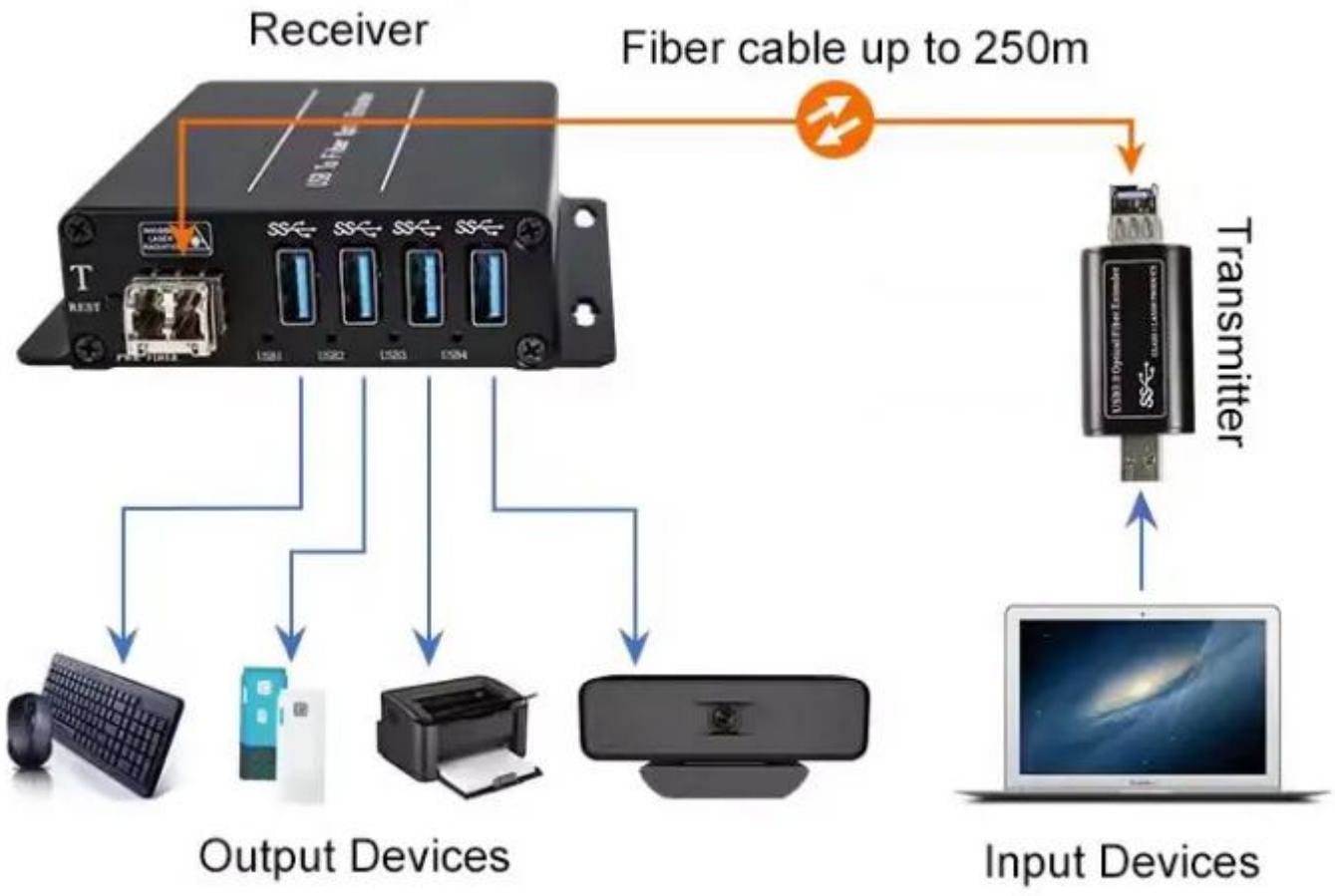
● USB3.0 Port
Standard: USB3.0
Rate: 5Gbps/s
USB3.0 input: 1*USB3.0 A-type receptacle
USB3.0 output: 4*USB3.0 A-type receptacle

● Working Environment
Operating temperature: -10℃—+60℃
Storage temperature: -40℃—+85℃
Storage humidity: 0%—95% (non-condensing)
MTBF: ＞100,000 hours

Product Picture



Application



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