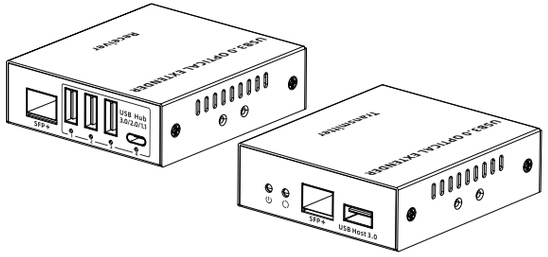
材质:157g铜版纸 正反印刷　H23145英文说明书：0106010022228
尺寸：90x124mm

User Manual

USB3.0 Optical Extender

Point to Point Extender



• Important Safety Instructions:

1. To prevent electric shock, please ensure that all devices are properly grounded.
2. Do not place this device near or over a radiator or heat register, or where it is exposed to direct sunlight.
3. Do not place the device on an uneven or unstable surface, the device may fall resulting in a malfunction.
4. Do not expose this device to rain or place it near water. Any liquid that goes into the device may cause a failure, fire, or electric shock.
5. If a third-party power supply is used, please ensure that the power supply specifications meet the product requirements.

• Introduction

This 4-Ports super-speed USB3.0 optical extender kit, extending the USB 3.0 signal up to 10 kilometers through LC single-mode optical fiber or 300 meters through LC multimode optical fiber. Supports 1-to-1 connection and supports 4 channels of USB 3.0 devices input, such as printer, camera, scanner, USB flash drive, keyboard, mouse, touchscreen, etc. Widely used in security monitoring, gaming, industrial control, professional audio-visual, smart medical and other fields.

• Features

1. The Transmitter supports USB 3.0 Super-Speed, compatible with USB 3.2 Gen1x1, USB 3.1 Gen1.Gen1; The Receiver supports USB 3.0 Super-Speed, USB 2.0 High-Speed, compatible with USB 1.1 Full-Speed, USB 1.0 Low-Speed.
2. Supports four USB 3.0 input and one USB 3.0 outputs.
3. Transmission distance of USB 3.0 signals up to 10 kilometers over LC single-mode optical fiber or 300 meters through LC multimode optical fiber.
4. Supports USB hub connection.
5. The transmitter is powered by the source device directly, no additional power supply is required.
6. Support hot-plugging of USB devices and automatically identify USB standards.
7. Lightning protection, surge protection, ESD protection.

• Package Contents


Transmitter x1


Receiver x1


DC 12V/2A x1


User manual x1

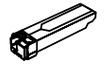

USB 3.0 Cable x1


Type C OTG 3.0 Cable x1


Mounting ear x4


Screw x10

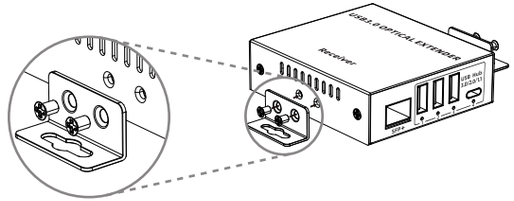
*** Choose the SMF optical module OR MMF optical module**


Single-mode optical fiber SFP optical module x2

OR


Multimode optical fiber SFP optical module x2

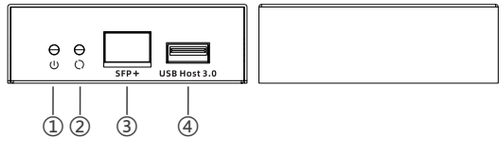
• Wall Mounting



Choose the wall mounting position and attach the mounting ears to the unit according to the diagram.

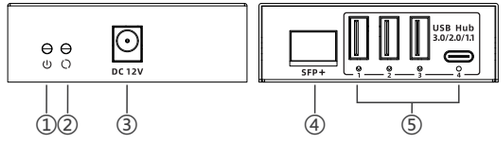
• Panel Description

1. Transmitter



①	Power indicator	1) Steady on：powered on 2) Light off：powered off
②	Status indicator	1) Light off：Transmitter and the receiver have not established a connection 2) Steady on：Optical fiber communication between transmitter and receiver successful
③	SFP+ Signal input port	Insert SFP+ 10G optical fiber module
④	USB Host 3.0 port	Connect USB 3.0 port of computer host, compatible with USB 3.2 Gen1x1, USB 3.1 Gen1

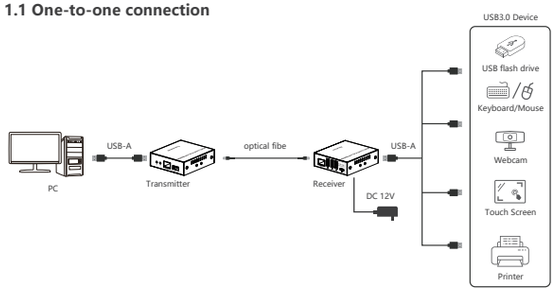
2. Receiver



①	Power indicator	1) Steady on：powered on 2) Light off：powered off
②	Status indicator	1) Light off：the USB connection between the receiver and the transmitter was successful 2) Steady on：the USB connection between the receiver and the transmitter was successful
③	Power input	Connect with DC 12V/2A power adapter
④	SFP+ Signal output interface	Insert SFP+ 10G optical fiber module
⑤	USB Hub 3.0/2.0/1.0 port	Connect with USB device, such as printer, camera, scanner, USB flash drive, keyboard, mouse, touchscreen, etc.

• Installation Procedures

1.1 One-to-one connection



1.2 Connection Instructions

1. Separately connect the computer host and the transmitter with USB cable, the receiver connects to USB devices, such as: printer, camera, scanner, U disk, keyboard/mouse, touch screen, etc.;

2. For one to one connection, connect the transmitter and receiver SFP+ fiber optic module input/output interface via LC fiber optic cable;
3. TX gets power from the device via USB cable, RX connects to the power supply, then the product starts to work.

Note: For Windows 7 / 8, you need to install the USB driver, please contact your vendor for the USB driver.

• FAQ

Q：There is no response after USB device is connected?

A：1) Please check whether the driver is installed properly；

2) Check whether USB port of the transmitter supports USB 3.0.

3) Power the transmitter or receiver again.

Q：The receiver is unstable when connected to an external hard drive?

A：When connecting high-power USB devices, it is necessary to offer additional power to external devices.

• Specification

Items	Parameters
Transmitter USB	USB 3.0, compatible with USB 3.2 Gen1x1, USB 3.1 Gen1
Receiver USB	USB 3.0, USB 2.0, compatible with USB 1.1, USB 1.0
Transmission Distance	Single-mode optical fiber 10 KM Multimode optical fiber 300M
USB Device	Support printer, camera, scanner, USB flash drive, keyboard, mouse, touch screen... etc
USB Hot-Plug	Support
USB Port	3 USB-A 3.0 input and 1 Type C 3.0 input 1 USB-A 3.0 output

Physical Properties	
Housing	Iron
Dimensions	85.0(L) x 76.0(W) x 25.0(H) mm
Weight	Tx:166g Rx:174g
Color	Black
Power	
Power Supply	TX：powered by the source device RX：DC 12V/2A
Power Consumption	TX ≤ 2W RX ≤ 2.5W
System Support	Windows
Operating Environment	
Working Temperature	-20～60℃
Storage Temperature	-30～70℃
Humidity	0～90% （No condensation）
Protection	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2
	Lightning protection, Surge protection
Application	
Industrial Control, KVM Extension, Professional AV, Security and Monitoring, Gaming, etc.	

Disclaimer