User Manual

150m 4-Ports High-Speed USB2.0 Extender



Important Safety Instructions:

1. To prevent electric shock, please ensure that all apparatus is properly arounded.

- 2. Place the device in a well-ventilated area, do not block any ventilation openings.
- 3. Do not expose this apparatus to rain or place it near water. Any liquid that goes into the apparatus may cause a failure, fire, or electric shock. 4. Do not place the device on an uneven or unstable surface. The device may fall resulting in a malfunction.
- 5. Never insert anything metallic into the open parts of this apparatus. This may cause a danger of electric shock.
- 6. If a three-party power supply is used, please ensure that the power supply specifications meet the product requirements.

Introduction

This is a USB 2.0 extender, which can realize one-to-one connection through CAT5e/6/7 network cables, with a transmission distance of up to 100m for CAT5e and 150m for CAT6 and above; When the connection passes through the switch, the input and output cable distances can reach 100m respectively. It supports 4 channels of USB 2.0 device input, such as printer, camera, scanner, USB flash drive, keyboard, mouse, touchscreen, etc., and supports gigabit switch cascade.

It can be used for security monitoring, gaming, industrial control, professional audio-visual, smart medical and other fields.

• Features

1. Support USB 2.0 High-Speed, Compatible with USB 1.1 Full-Speed, USB1.0 Low-Speed.

2. Support 4 USB 2.0 inputs and 1 USB 2.0 output.

3. Compatible with CAT5e/6/7 network cables, CAT5e transmission distance can reach 100m, and CAT6/7 transmission distance can reach 150m.

4. Support USB hub connection.

5. The transmitter is powered by the source device, no additional power supply is required.

6. Support switch relay, the transmission distance of signals can be increased through the switch.

7. Support hot-plugging of USB devices and automatically identify USB High-Speed, Full-Speed and Low-Speed 8. Lightning protection, surge protection, ESD protection. 9. Plug and play.

Package Contents

Transmitter x'

11/11



Pr

DC5V/1A x1

Receiver x1



USB Cable x User Manual x1



Transmitter



② USB-A Ports Connect with computer

Receiver



1	Reset Button	Press to restart the device
2	RJ45 Ports	Connect with CAT5e/6/7 network cable
3	Power Input	Connect with DC5V/1A power adapter
4	USB-A Ports	Connect with USB 2.0 devices such as USB flash drive, keyboard, mouse

Installation Procedures

One-to-one connection







5

Connection Instructions

1. Connect the transmitter to the signal source device via USB cable, and then connect the USB device to the receiver.

- 2. Connect the transmitter and receiver with Cat5e/6/7 network cable. If the transmission distance needs to be further extended, connect the switch between the transmitter and the receiver.
- 3. Plug the power supply into the receiver to get started.

• Q&A

- Q: There is no response after USB device is connected?
- A: 1) Please check whether the driver is installed properly;
- 2) Please check whether the network cable conforms to IEEE-568B standard
- and whether the cables are firmly connected;
- 3) Reset the receiver by pressing the reset button or repower it.
- Q: The receiver is unstable when connected to an external web camera? A: When connecting high-power USB devices, it is necessary to supply additional power to external devices.

Specification

Item	Parameters		
Compatibility	USB 2.0, compatible with USB1.1, USB1.0		
Transmission Rate	Compatible with High-Speed(480Mbps), Full-Speed(12Mbps), Low-Speed(1.5Mbps)		
Transmission Distance	CAT5e≤100m; CAT6/6A/7≤150m		
USB Device	Support printer, camera, scanner, USB flash drive, keyboard, mouse, touch screen		
Switch Extension	Supports Gigabit switches		
USB Hot-Plug	Support		
Operating System	Windows, MacOS, Linux, Android		
USB-A	4 ports USB-A input 1 ports USB-A output		
Standard	CAT5e/CAT6/CAT6A/CAT7, Follow IEEE-568B Standard		
Physical Properties			
Housing	Iron		
Dimensions	76.0(L) x 60.0(W) x 21.0(H) mm		
Weight	Tx: 123g Rx: 128g		
Color	Black		
Power			
Power Supply	TX: powered by the source device RX: DC5V/1A		
Power Consumption	TX≤2W RX≤2W		
Operating Environment			
Working temperature	-20∼60°C		

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

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