



USER MANUAL

USB3.2 Gen1 100m extender

Enjoy the vivid world

Before using the product, please read this manual carefully and keep it properly.

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Introduction:

This product is the extender of USB3.0 protocol, the receiver with four USB3.0 interfaces, It's compatible with USB2.0 and 1.1 protocol equipment. And suitable for USB printer, U disk, mobile hard disk, USB Somatosensory, camera, touch screen, Keyboard and mouse, USB to video / audio converter and other devices, using a double-shielded network cable CAT6A to extend the distance up to 100 meters.



Features:

- * USB 3.0 data rate up to 5 Gbps;
- * Receiver with 4 USB 3.0 interfaces, Support for all USB 3.0, 2.0, 1.1 device;
- * The current of each USB port of the receiver is up to 1.5A (7.5W), and the maximum current of 4 USB ports does not exceed 21W.;
- * Using a double-shielded network cable CAT6A to extend the distance up to 100 meters;
- * Point-to-point connection;
- * Real plug and play, No software driver;
- * Mainstream operating systems: Windows, MAC OS, Linux and Chrome OS.

Specifications:

The CAT6A cable between the transmitter and the receiver	100M
Max baud rate	5Gbps
Operating Temperature range	(0℃ to +45℃)
Operating humidity range	5 to 90% RH (no condensation)
Dimension (L x W x H)	104x103x28 (mm)X2
TX Weight	171g
RX Weight	177g

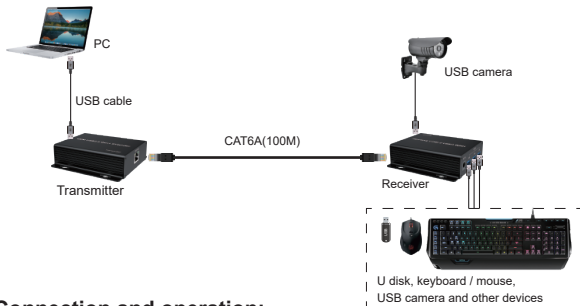
Transmitter

RJ 45 Ethernet 100 / 1000 port
Power Adapter specification Input AC (50Hz, 60Hz) 100V-240V; output: DC12V/2A
Current 0.2A

Receiver

USB 3.0 Class A Port 4 * USB 3.0
RJ45 Ethernet 100 / 1000 port
Effective current Each USB port is up to 1.5A
Power adapter Input AC (50Hz, 60Hz) 100V-240V; output: DC12V/2A
Maximum operating current 300mA (no USB device connected)

Application diagrams:



Connection and operation:

1. Using a double-shielded network cable CAT6A to connect the transmitter and receiver. The cable distance is up to 100 meters.
2. Connect a type-C 3.0 data cable to the USB3.0 port on computer.
3. Connect the transmitter and the receiver to the power.

Note: the USB-IF organization has decided to include USB 3.0 / 3.1 interface into the category of USB 3.2 interface. USB 3.0 interface is called USB 3.2 Gen 1, USB 3.1 interface is called USB 3.2 Gen 2, and USB 3.2 interface is called USB 3.2 Gen 2x2.

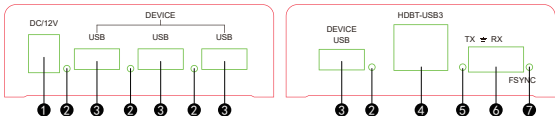
Physical interface diagram:

Transmitter



- 1: DC / 12V --- DC power input port, 12V / DC power adapter input.
- 2: Red light --- Power indicator.
- 3: DIP Switch --- PWR: select 12V / DC power; SRC: select Type-C power.
- 4: HOST --- Connected to the computer (host) USB port.
- 5: Blue light --- Type-C 3.0 insert the indicator light.
- 6: Blue light --- Operation indicator light.
- 7: Phoenix terminal --- TX $\neq$ RX: RS232 level serial port transmitter;
FSYNC: Synchronous signal (1.8V level) control end.
- 8: Network port --- Yellow light: TX and RX connected successfully;
Green light: flashing (Transmitter USB2.0 connection state)
always bright (Transmitter USB3.0 connection state).

Receiver



- 1: DC / 12V ---DC power input port, 12V / DC power adapter input.
- 2: Blue light --- USB equipment identification indicator light.
- 3: DEVICE terminal USB --- USB3.2Gen1 interface (U disk, keyboard / mouse,
USB camera and other devices).
- 4: Network port --- Yellow light: TX and RX connected successfully;
Green light: flashing (Transmitter USB2.0 connection state)
always bright (Transmitter USB3.0 connection state).
- 5: Blue light --- Operation indicator light.
- 6: Phoenix terminal --- TX $\neq$ RX: RS232 level serial port receiver;
FSYNC: The synchronous signal (1.8V level) control end.
- 7: Red light --- Power indicator light.

Application diagrams:

Audio-visual conference, command and control center, ticketing platform, home theater, Multimedia teaching conference system and other places.



audio-visual conference



command and control center



home theater

The Package contents:

1: Transmitter	1PC
2: Receiver	1PC
3: Type-c USB3.0 to USB-A 3.0 Data cable (10 Gpbs) 1M	1PC
4: User Manual	1PC
5: DC / 12V 2A Power adapter	1PC