



USER MANUAL

USB3.2 Gen1 100m extender (2A+1C+HDMI)

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 two USB3.0 interfaces, one USB-C interface and one HDMI OUT port. 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. The HDMI output maximum resolution is 1920*1080@60Hz, using the uncompressed transmission technology, and with a double-shielded network cable CAT6A to extend the distance up to 100 meters.



Features:

- * USB 3.0 data rate up to 5Gbps;
- * Receiver with two USB 3.0 and one USB-C interfaces, support for all USB 3.0, 2.0, 1.1 device;
- * HDMI output maximum resolution is 1920*1080@60Hz, using the uncompressed transmission technology, occupy the maximum downlink bandwidth 300Mbps;
- * HDMI interface output that can be used in the Windows, Mac OS operating system (Drive needs to be installed);
- * HDMI OUT support EDID/HPD processing;
- * Built-in HDMI out USB 3.0 drive, compatible with USB 2.0 drive;
- * 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 reach to 100 meters;
- * Point-to-point connection;
- * All-metal shell, heat dissipation is better and more stable;
- * 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
The unshielded network cable CAT 6 (23 AWG)between the TX and the RX	50M
Max baud rate	5Gbps
Operating Temperature range	(0 C to +45 C)
Operating humidity range	5 to 90% RH (no condensation)
Dimension (L x W x H)	104x103x28 (mm)X2
TX Weight	171g
RX Weight	177g
HDMI resolution	up to 1080P/60Hz
Support audio format	stereo

Transmitter

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

Receiver

USB 3.0 Class A Port	2 * USB 3.0
USB3.0 C interface	1*USB3.0-C
HDMI OUT port	HDMI OUT*1
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)

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.

Connection and operation:

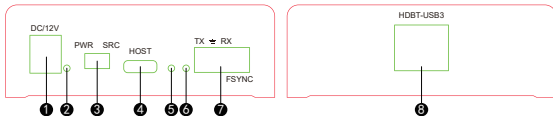
1. Using a double-shielded network cable CAT6A to connect the transmitter and receiver. The cable distance is up to 100 meters.
2. Connect a type-C 3.0 data cable to the USB3.0 port on computer.
3. Connect the transmitter and the receiver to the power.
4. Connect the HDMI output to the display device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

Application diagrams:



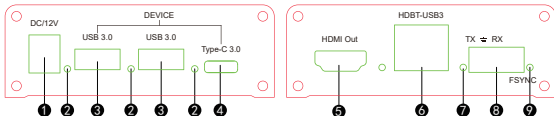
Physical interface diagram:

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 USB port --- USB3.2Gen1 interface (U disk, keyboard/mouse, USB camera and other devices).
- 4: Type-c3.0 --- USB-C 3.0 (Transfer data support BC1.2 fast charging protocol)
- 5: HDMI OUT --- HDMI output port
- 6: Network port --- Yellow light: TX and RX connected successfully;
Green light: flashing (Transmitter USB2.0 connection state)
always bright (Transmitter USB3.0 connection state).
- 7: Blue light --- Operation indicator light.
- 8: Phoenix terminal --- TX $\neq$ RX: RS232 level serial port receiver;
FSYNC: The synchronous signal (1.8V level) control end.
- 9: 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



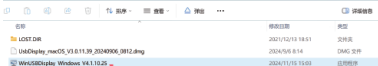
home theater

The Package contents:

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

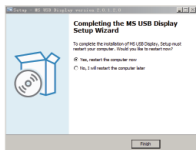
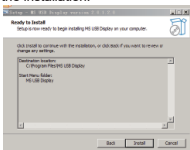
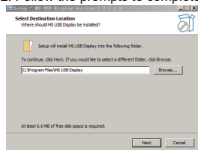
HDMI OUT use installation:

1. Connect the product to the computer, in my computer, it will display the removable disk, and then install the driver: double-click "WinUSBDisplay_Windows_V4.1.10.25.exe" (Windows system driver).

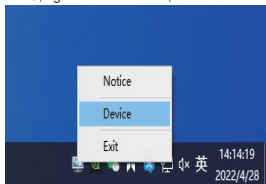


Note: WinUSBDisplay_Windows_V4.1.10.25 (Windows system driver)
UsbDisplay_macOS_V3.0.11.39_20240906_0812.dmg (Apple system driver)

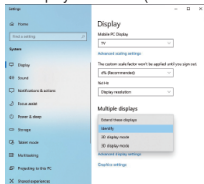
2. Follow the prompts to complete the installation:



3. After installation finished, at the bottom right of PC, right-click driver icon, click "Device"



4. Setting of PC display: Duplicate or expand to display on demand. (Shortcut keys "win+P")



Installation & setting completed.

Operating system requests:

1. Windows 7/10/11.
2. Mac OS(PC) 10.14 or above.