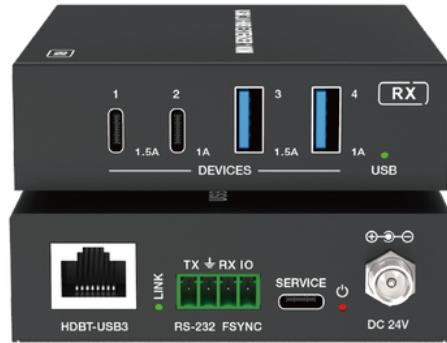
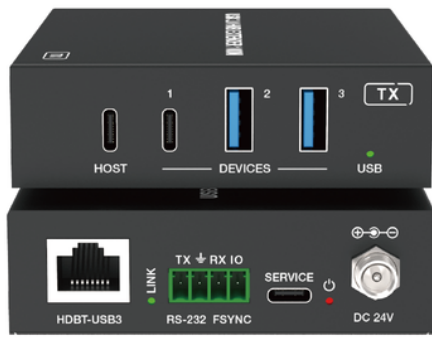


USB 3.2 GEN 1 EXTENDER

EU22

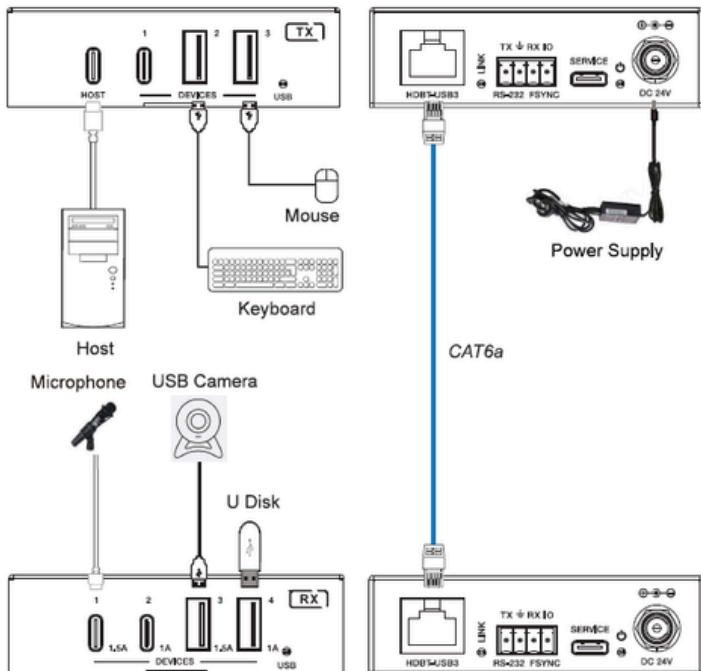


FEATURES

This USB Extender can extend USB 3.2 Gen 1 signal to a distance up to 328ft/100m via a single CAT6a cable. The transmitter features one USB-C host port, one USB-C and two USB-A device ports, whereas the receiver features two USB-C and two USB-A device ports. Bi-directional 24V PoC (Power over Cable) function allows user to only supply power to either the transmitter or the receiver. It can be widely used for long distance USB signal transmission between USB sources and devices like webcams, PTZ cameras, keyboards, mouse devices, USB microphones, flash sticks, printers, scanners, touch panel displays and other USB devices.

- Extension of USB 3.2 Gen 1 up to 328ft/100m via CAT6a cable
- USB 3.2 Gen 1 connectivity with data transfer rate up to 5Gbps
- Backwards compatible with USB 2.0 and 1.1
- Hardware acceleration for isochronous and bulk transfer
- Tx features 1 x USB-C host port, 1 x USB-C and 2 x USB-A device ports
- Rx features 2 x USB-C (1 x 5V@1A and 1 x 5V@1.5A) and 2 x USB-A device ports (1 x 5V@1A and 1 x 5V@1.5A)
- Supports firmware upgrade via USB-C service port
- Supports FSYNC GPIO pass-through for industry camera use
- Support bi-directional 24V PoC
- Plug-and-play with no drivers, downloads or software required

APPLICATION EXAMPLE



SPECIFICATION

SPECIFICATION	
Technical	
USB Protocol	- USB 3.2 Gen 1
Transmission Rate	- Up to 5Gbps
Transmission Distance	- 328ft/100m over CAT6a (F/FTP) cable - 4.9ft/1.5m via USB cable
Transmitter	
HDBT-USB3	- 1 x RJ45 (24V PoC)
USB	- 1 x USB-C (Host, Female) - 1 x USB-C (Device, Female) - 2 x USB-A (Device, Female)
Control	- 1 x 3pin-3.5mm Phoenix Connector (RS-232) - 1 x 1pin-3.5mm Phoenix Connector (FSYNC) - 1 x USB-C (for Update)
Receiver	
HDBT-USB3	- 1 x RJ45 (24V PoC)
USB	- 2 x USB-A (Device, Female) - 2 x USB-C (Device, Female)
Control	- 1 x 3pin-3.5mm Phoenix Connector (RS-232) - 1 x 1pin-3.5mm Phoenix Connector (FSYNC) - 1 x USB-C (for Update)
Power	
Power supply	- Input: AC 100-240V 50/60Hz - Output: DC 24V/3.75A
Power Consumption	- Transmitter (TX): 23W (Max); Receiver (RX): 35W (Max) - TX + RX: 68W (Max, including line loss)
General	
Physical Dimension (W x D x H)	- TX / RX: 100mm x 85mm x 25.5mm
Weight	- 0.265kg (TX) - 0.275kg (RX)
Housing	- Metal Enclosure (Black)
Operating Temperature	- 0 - 40 °C
Storage Temperature	- -20 - 60 °C
Humidity	- Operating Humidity: 20 - 80% Relative Humidity (no condensation) - Storage Humidity: 10 - 90% Relative Humidity (no condensation)
Safety	
ESD Protection	- IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)