PU-USB1H-KIT

IP to Serial Controller with a Single I/O Port



The PU-USB1H-KIT is a USB 3.2 Gen1 extender kit designed to extend the signal from one USB-C host to multiple USB devices and an HDMI output up to 100 metres (328 feet).

The transmitter enables the extension from the USB-C host to 3 local USB devices and USB devices on the receiver. USB-C can function as either a host or device, enhancing the flexibility of any installation and also provides USB Power Delivery (PD) up to 60W. Additionally, the transmitter supports 802.3at Power over Ethernet (PoE) PSE, delivering up to 30W of power. The unit also features a hotkey for convenient firmware update.

The receiver allows the extension of a USB-C host connection to 2 local USB devices and USB devices on the transmitter. It also supports the transmission of a USB to HDMI output with resolutions up to 4K30 4:4:4.

When the receiver is powered by the transmitter, it supports 802.3at Power over Ethernet (PoE) PD up to 25W, USB-C provides 5V/1A. When the receiver is powered from local power, USB-C port can provide up to 60W (PD3.0 compliance) to the connected device. Additionally, USB-C can function as either a host or device, enhancing the flexibility of any installation. The unit also features a hotkey for convenient firmware update.

TX PANELS



Front View



Rear View

RX PANELS

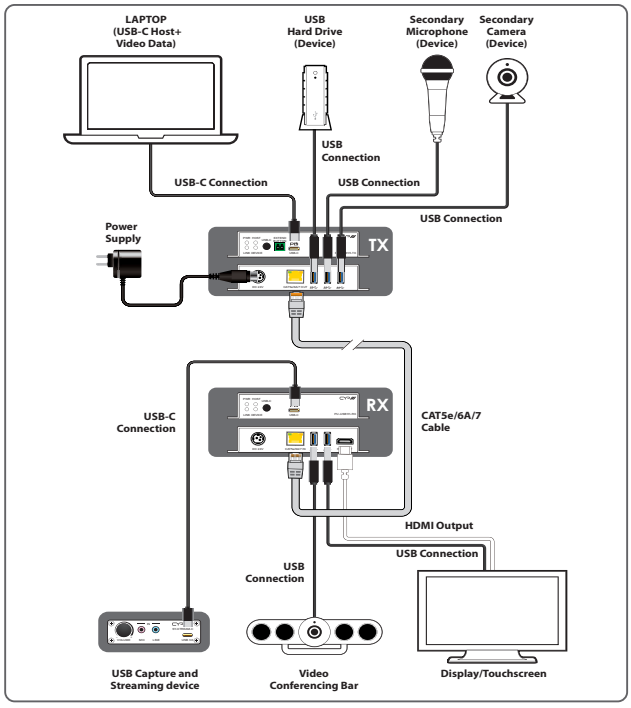


Front View



Rear View

DIAGRAM



FEATURES

- TX Supports 4 USB 3.2 Gen1 device ports (include USB-C)
- RX Supports 3 USB 3.2 Gen1 device ports (include USB-C)
- Transmit the USB to HDMI output with resolutions up to 4K30 4:4:4
- Supports Point-to-Point transmission
- Transmission up to 100 metres (328 feet)
- TX supports 3 USB-A ports providing 5V/0.9A of power respectively
- RX supports 2 USB-A ports provide 5V/0.9A of power respectively
- TX USB-C supports USB-PD up to 60W (PD3.0 compliance) to connected device
- RX USB-C supports USB-PD up to 60W (PD3.0 compliance) when powered by local power
- TX Supports 802.3at PoE PSE up to 30W to power paired receiver
- Configurable USB-C port as host or device
- RX Can be powered by compatible transmitter supporting the 802.3at PoE standard (Optional)
- RX Configurable USB-C port as host or device
- The host can control multiple USB devices on transmitter side and receiver side
- Support hotkey for easy firmware updates

SPECIFICATIONS

Interfaces

TX

Output Ports	1×Cat5e/6A/7 (RJ-45) 3×USB 3.2 (Type-A)
Bi-directional Ports	1×USB 3.2 (Type-C)

RX

Input Port	1×Cat5e/6A/7 (RJ-45)
Output Ports	2×USB 3.2 (Type-A) 1×HDMI (Type-A)
Bi-directional Ports	1×USB 3.2 (Type-C)

Video

HDMI Compliance	HDMI 1.4
HDCP Compliance	NA
Input Signal Types	3840×2160p@30 YUV4:4:4
Output Signal Types	3840×2160p@30 YUV4:4:4
Resolutions	3840×2160p @30 YUV4:4:4

USB

USB Performance	3.2 Gen1, SuperSpeed 5Gbps/5Gbps

Power

Power Supply	[TX] 24V / 6.25A [RX] 24V/5A
Power Consumption	[TX] 98.2W [RX} 73.2W

Enclosure

Chassis Material	Metal (Aluminum)
Chassis Colour	Black
Dimensions (W×H×D)	[TX] 128mm×25mm×108mm [Case Only] [RX] 128mm×25mm×112.5mm [All Inclusive] [TX] 128mm×25mm×108mm [Case Only] [RX] 128mm×25mm×112.5mm [All Inclusive]
Weight	[TX] 214g [RX] 234g

Field Firmware Update

PC update

ORDERING INFORMATION

Model No.	Product Description
PU-USB1H-KIT	IP to Serial Controller with a Single I/O Port