

iTrans UC-Hub

USB-C UC/KVM Extender over HDBaseT3.0



Product Introduction

The **iTrans UC-Hub** is an USB-C UC/KVM Extender Kit that allows one USB channel to be transmitted over distances of up to 40m at 4K@60Hz and 70m at 4K@30Hz via CAT6 cable.

The USB-C UC/KVM Extender Kit includes one transmitter and one receiver. The transmitter features one USB-C input and one HDBaseT3.0 output. For the USB-C input, it provides an AV ideal interface for connecting to the MacBook or other device with SlimPort output. And there's also a USB-C port for charging devices. The receiver features one HDMI output, one HDBaseT3.0 input and 4 USB 2.0 ports for connecting with UC/KVM device such as camera, microphone, speakerphone, USB storage, keyboard and mouse.

Features

- USB-C input supports 4K@60Hz 4:4:4.
- Transmit up to 40m at 4K@60Hz and 70m at 4K@30Hz.
- Supports bidirectional 24V PoC power supply.
- TX supports USB-C charging port to charge the input device
- 5x USB 2.0 ports for connecting with UC/KVM device, such as camera, microphone, speakerphone, USB storage, keyboard and mouse.
- Micro-USB for firmware upgrade.
- Supports 100W PD

Specification

	Transmitter	Receiver		
Video				
Input	(1) USB-C IN	(1) HDBaseT IN		
Input Connector	(1) Type-C	(1) RJ45		
Input Resolution	Up to 4K@60Hz 4:4:4	Up to 4K@60Hz 4:4:4		
Output	(1) HDBaseT OUT	(1) HDMI OUT		
Output Connector	(1) RJ45	(1) Type-A female HDMI		
Output Resolution	Up to 4K@60Hz 4:4:4	Up to 4K@60Hz 4:4:4		
Control				
Control Part	(5) DEVICE (1) HOST (1) ARC Switch, (1) USB Switch, (1) IR IN, (1) IR OUT, (1) RS232, (1) ETHERNET			
Control Connector	(1) Type-A USB 2.0 5V500mA Power Supply (2) Type-A USB 2.0 5V250mA Power Supply (1) Type-A USB 2.0 5V1A Power Supply (1) Type-C USB 2.0 5V1A Power Supply			
General				
HDCP Version	Input: HDCP 2.2, HDCP 1.4 compliant			
	Output:			
	<div><div></div><div>RXOUT</div><div>TX IN</div></div>	HDCP 2.2	HDCP 1.4	NO HDCP
	HDCP 2.2	HDCP 2.2	NO HDCP	NO HDCP
	HDCP 1.4	HDCP 2.2	HDCP 1.4	NO HDCP
	NO HDCP	NO HDCP	NO HDCP	NO HDCP

PoC	Supported bi-directional 24V PoC	
HDMI V2.0 Cable Length	4K@60Hz 4:4:4 ≤ 5m, 4K@60Hz 4:2:0 ≤ 10m, 1080P ≤ 15m	
Transmission Distance	4K@60 4:4:4 ≤ 40m; 4K@30 4:4:4 ≤ 70m	
Operation Temperature	-5 to +55°C (+23° to +131°F)	
Storage Temperature	-25 to +70°C (-13° to +158°F)	
Relative Humidity	10% to 90%, non-condensing	
Power Supply	24V DC 1.25A	
Power Consumption	30W	
Dimension (W*H*D)	90 x 24 x 140 mm	90 x 24 x 120 mm
Net Weight	285g	250g

Panel Description

Transmitter



- ① USB-C IN: Connects to the MacBook or other device with SlimPort output. Supports 100W PD
- ② DEVICE: USB 2.0 Ports for connecting device
- ③ Power: Connects to adapter to charge the USB-C IN
- ④ FW: Micro-USB for firmware upgrade.
- ⑤ HDBT OUT: Connects to the HDBT IN of Rx.
- ⑥ DC 24V: DC connector for the power adapter connection.
- ⑦ POWER LED: The LED illuminates green when the power is connected.

Receiver



- ① HDMI OUT
- ② 250mA
- ③ 1A
- ④ POWER LED
- ⑤ HDBT IN

- ① HDMI OUT: Connects to the HDMI display.
- ② DEVICE: 4 USB 2.0 Ports for connecting UC/KVM device.
- ③ HDBT IN: Connects to the HDBT OUT port by a CATx cable.
- ④ DC 24V: DC connector for the power adapter connection.
- ⑤ POWER LED: The LED illuminates green when the power is connected.

System Connection

The following diagram illustrates typical input and output connection that can be utilized with the extender:



