

# iTrans UC-Hub

USB-C UC/KVM Extender over HDBaseT3.0





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Version: iTrans UC-Hub\_V1.1

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#### **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**

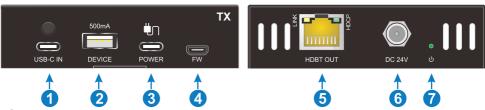
	Transmitter	Transmitter		Receiver		
Video						
Input	(1) USB-C IN			(1) HDBaseT IN		
Input Connector	(1) Type-C			(1) RJ45		
Input Resolution	Up to 4K@60Hz 4:4:4			Up to 4K@60Hz 4:4:4		
Output	(1) HDBaseT OUT			(1) HDMI OUT		
Output Connector	(1) RJ45			(1) Type-A female HDMI		
Output Resolution	Up 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					
	(1) Type-A USB 2.0 5V500mA Power Supply					
Control Connector	(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						
	Input: HDCP 2.2, HDCP 1.4 compliant					
HDCP Version	Output:					
	RXOUT TX IN	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℃(+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: 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:





## **Panel Drawing**

