

# 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.

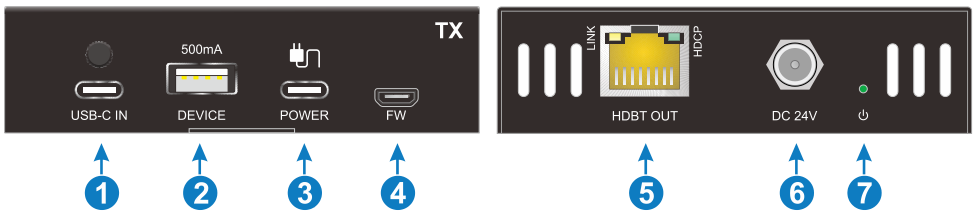
## Specification

	Transmitter	Receiver																	
<b>Video</b>																			
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																	
<b>Control</b>																			
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																		
<b>General</b>																			
HDCP Version	Input: HDCP 2.2, HDCP 1.4 compliant Output: <table border="1" data-bbox="371 1241 870 1473"> <thead> <tr> <th data-bbox="371 1241 509 1345" rowspan="2">TX IN \ RX OUT</th> <th data-bbox="509 1241 623 1345">HDCP 2.2</th> <th data-bbox="623 1241 738 1345">HDCP 1.4</th> <th data-bbox="738 1241 870 1345">NO HDCP</th> </tr> </thead> <tbody> <tr> <td data-bbox="371 1345 509 1385">HDCP 2.2</td> <td data-bbox="509 1345 623 1385">HDCP 2.2</td> <td data-bbox="623 1345 738 1385">NO HDCP</td> <td data-bbox="738 1345 870 1385">NO HDCP</td> </tr> <tr> <td data-bbox="371 1385 509 1425">HDCP 1.4</td> <td data-bbox="509 1385 623 1425">HDCP 2.2</td> <td data-bbox="623 1385 738 1425">HDCP 1.4</td> <td data-bbox="738 1385 870 1425">NO HDCP</td> </tr> <tr> <td data-bbox="371 1425 509 1473">NO HDCP</td> <td data-bbox="509 1425 623 1473">NO HDCP</td> <td data-bbox="623 1425 738 1473">NO HDCP</td> <td data-bbox="738 1425 870 1473">NO HDCP</td> </tr> </tbody> </table>			TX IN \ RX OUT	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
TX IN \ RX OUT	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

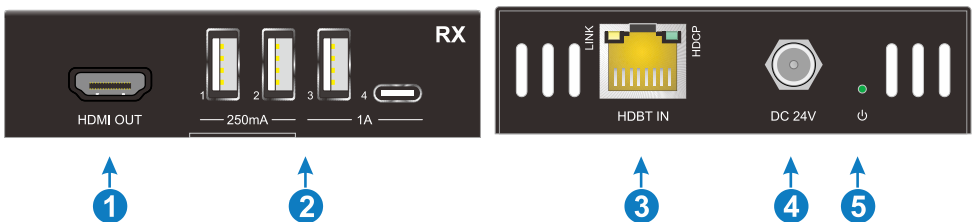
## Panel Description

### Transmitter



- ① USB-C IN: Connects to the MacBook or other device with SlimPort output.
- 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

