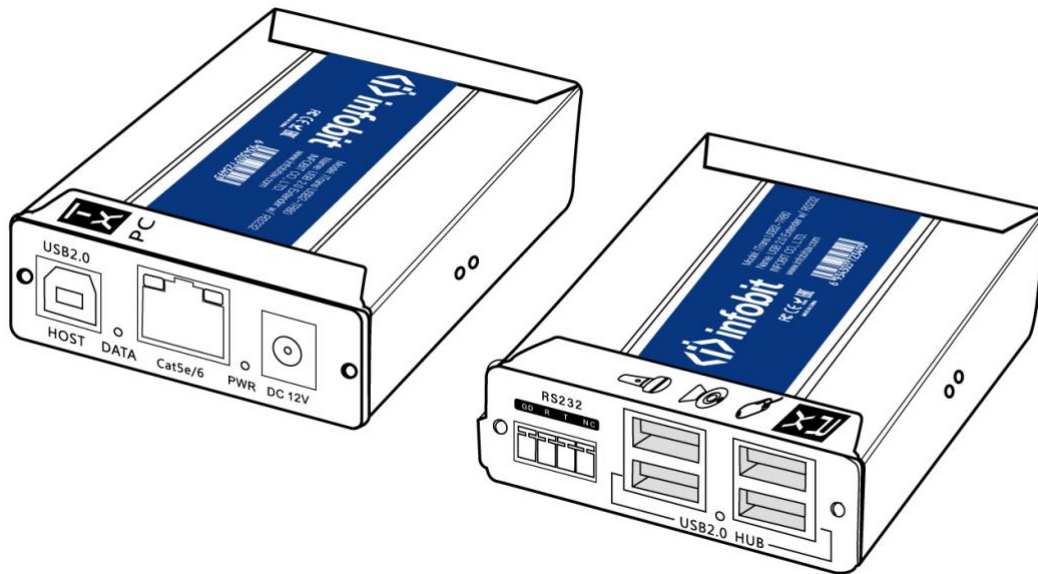


## iTrans USB2-TR80

4-port USB 2.0 Extender Kit with PoC, RS232 and K/M



### 1. Introduction

The iTrans USB2-TR80 is a USB2.0 extender kit, supporting PoC, RS232 and K/M. It can extend the mouse and keyboard to 80 meters distance through the network cable; ideal for working with USB cameras, microphones, printers, USB disks, mobile hard drives, etc. With USB2.0 interfaces, the device can extend up to 40~60 meters via Cat 5e/6 network cable.

The iTrans USB2-TR80 supports PoC function, which can use only one 12V/2A power adapter connected to only Tx or Rx side. This function can help customer to make installation more convenient and save lots of cost.

### 2. Features

- 4 ports USB 2.0 Extension
- Extend USB2.0 up to 80 meters distance
- POC: 1 PCS of 12V/2A DC adapter

### 3. Specification

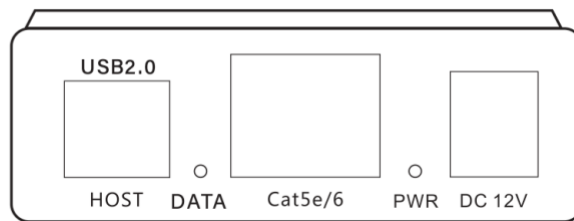
| Item          | Description  |
|---------------|--|
| Power         | DC 12V1A PoC (Recommended to supply power at the Rx end when storage devices are connected.) |
| Consumption   | <5W  |
| USB interface | USB 2.0  |

|                     |   |
|---------------------|---|
| Cable interface     | Cat6, Cat5e   |
| Extension distance  | Max. 80 meters (K/M);<br>Mobile hard disk/USB disk 60 meter |
| Working Mode        | Point to Point extension, long distance control             |
| Size                | 125mm*84mm*25mm   |
| Working Temperature | -5°C - + 75°C   |
| Working Humidity    | 5% ~ 90% RH (Non-condensing)                                |

#### 4. Hardware

##### Trasmitter:

Back



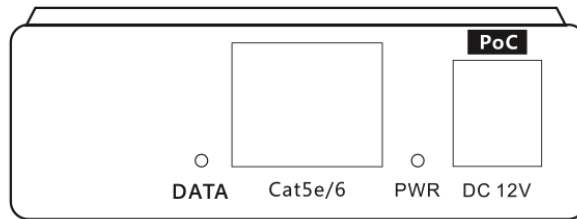
Front



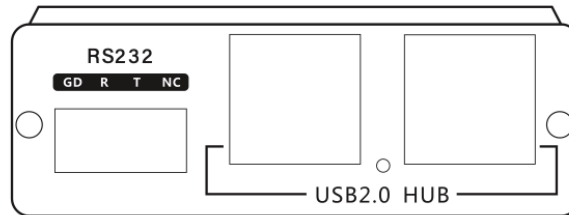
| ID      | Type               | Description   |
|---------|--------------------|---|
| DC 12V  | Power              | Power supply 12V 2A DC (PoC)  |
| PWR     | LED                | Light ON when device is powered on  |
| Cat5e/6 | Input/Output       | Connect to UTP cable  |
| USB2.0  | HOST USB Interface | Computer interface and connection indicator   |
| RS232   | RS232 interface    | TX is connected to the main control interface, and RX is connected to the controlled device |

**Receiver:**

Back



Front



| ID      | Type              | Description   |
|---------|-------------------|---|
| DC 12V  | Power             | Power supply 12V 2A DC (PoC)  |
| PWR     | LED               | Light ON when device is powered on  |
| Cat5e/6 | Input/Output      | Connect to UTP cable  |
| USB2.0  | USB 2.0 Interface | Full-speed USB interface supports USB/ Hard disk, camera, sound card, microphone, speakerphone, USB touch screen and other USB devices. |
| RS232   | RS232 interface   | TX is connected to the main control interface, and RX is connected to the controlled device.  |

**Remarks:**

When the 4x USB 2.0 ports on the Rx side are connected:

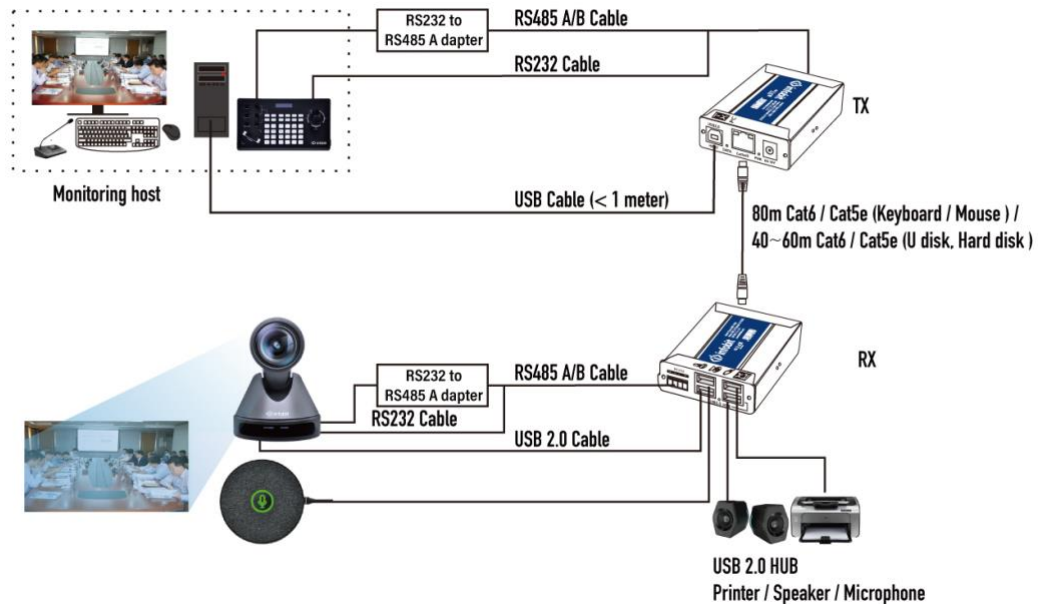
- 3x USB disks + 1x mobile hard disk: max. 40 meters (Cat5e/Cat6 shielded network cable)
- 2x sets of keyboard and mouse: 80 meters (Cat5e/Cat6 shielded network cable)

The above USB extension distances are all related to the quality of the network cable:

Cat6 network cable

- 40 meters, attenuation not greater than -16dB;
- 60 meters, attenuation not greater than -25dB;
- 80 meters, attenuation not greater than -30dB;

## 5. Diagram



## 6. Note

1. In order to ensure good use of the USB2.0 interface on the host, the USB cable from the Tx to the host should not exceed 1 meter.
2. When a storage device is connected to the Rx end, please plug in supply power at the RX side.