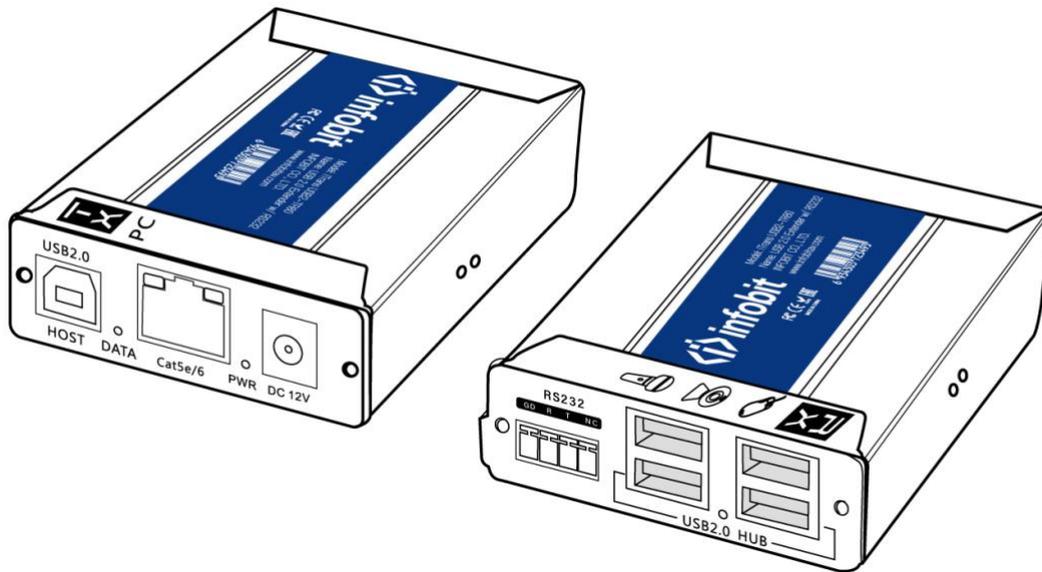


iTrans USB2-TR80

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

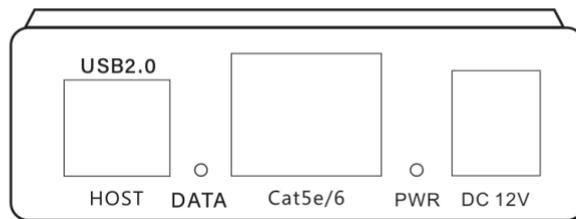
Item	Description
Power	DC 12V1A PoC (Recommended to supply power at the Rx end when storage devices are connected.)
Consumption	<5W
USB interface	USB 2.0

Cable interface	Cat6, Cat5e
Extension distance	Max. 80 meters (K/M); 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)

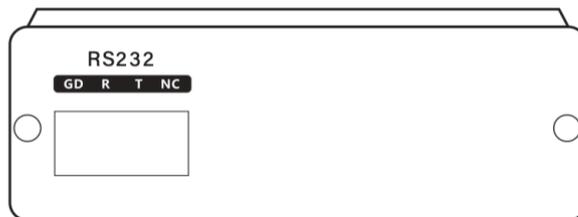
4. Hardware

Trasmitter:

Back



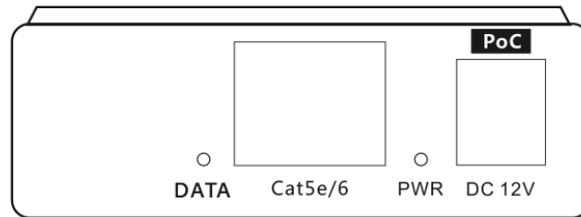
Front



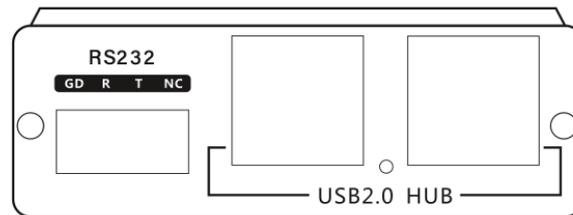
ID	Type	Description
DC 12V	Power	Power supply 12V 2A DC (PoC)
PWR	LED	Light ON when device is powered on
Cat5e/6	Input/Output	Connect to UTP cable
USB2.0	HOST USB Interface	Computer interface and connection indicator
RS232	RS232 interface	TX is connected to the main control interface, and RX is connected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

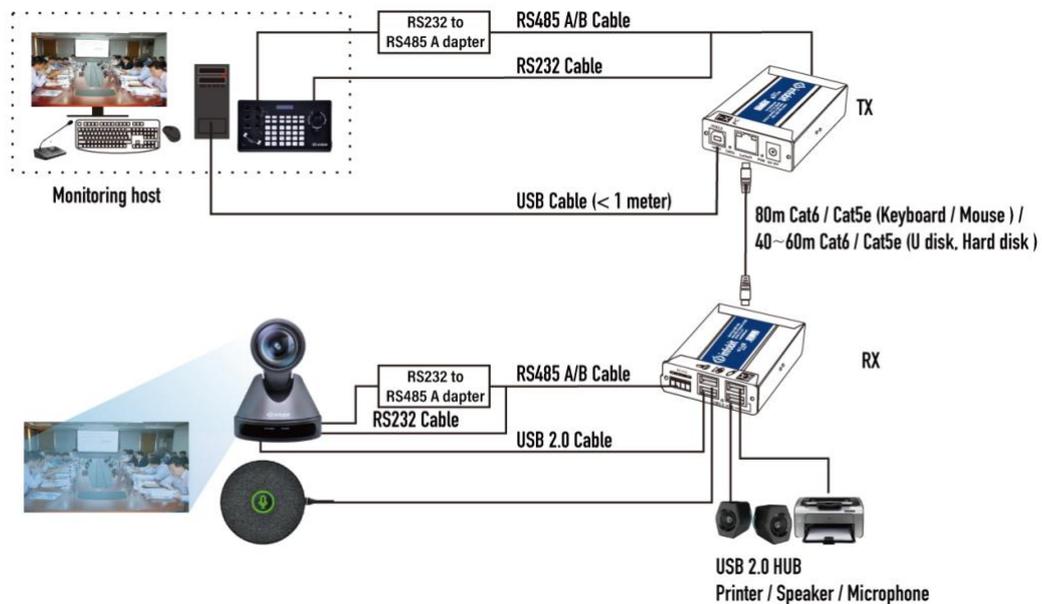
- 3x USB disks + 1x mobile hard disk: max. 40 meters (Cat5e/Cat6 shielded network cable)
- 2x sets of keyboard and mouse: 80 meters (Cat5e/Cat6 shielded network cable)

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.