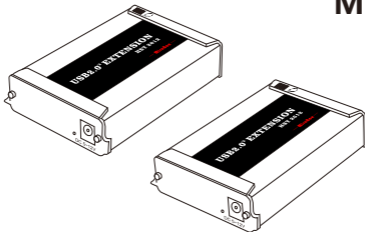


HST2612 PoC USB 2.0* 2 UTP Extender

Manual



1. Introduction

HST2612 USB2.0 extender supports high speed data rate and full function USB2.0 interface transmission. It can extend keyboard / mouse data up to 80 meters. And udisk up to 60 meters(CAT6 cable)

HST2612 support PoC function, which can use only one 12V/2A power adapter connected on Tx or Rx side. This function can help customer to make installation more convenient and save lots of cost.

2. Features

- ▶ 2 ports USB 2.0* 2 Extension
- ▶ Keyboard & mouse extension up to 80 meters.
- ▶ PoC: 1PCS of 12V DC adapter supply 2 devices

3 Specification

Item	Description
Power	DC 12V2A(PoC)
Consumption	MAX 4W (TX AND RX)
USB interface	USB 2.0
Cable interface	UTP / STP: CAT 6, CAT 5e
Max extension distance	80 meters (Keyboard & Mouse); mobile hard disk/U disk (60 meters)
Working Mode	Point to Point
Size	125mm * 84mm * 25mm
Working Temperature	-5°C - +75°C
Working Humidity	5% ~ 90% RH(Non-condensing)

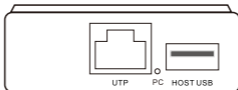
4 Hardware Description

Transmitter:

Front



Back



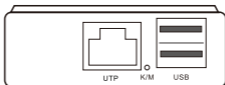
ID	Type	Description
DC 12V	INPUT	12V DC adapter supply
UTP	Input/Output	Connect to UTP cable
Power	LED	Light On when device power on
HOST-USB	USB Interface	PC host USB interface and connection indicator

Receiver:

Front



Back



ID	Type	Description
DC 12V	INPUT	12V DC adapter supply
UTP	Input/Output	Connect to UTP cable
Power	LED	Light On when device power on
K/M-USB	USB Interface	K/M USB interface and connection indicator

ID	Type	Description
UTP	Input/Output	connect to UTP cable
Power	LED	Light on when device power on
USB 2.0	USB 2.0 Interface	Full-speed USB interface supports U disk. Hard disk, camera, microphone USB touch screen and other USB devices

When supporting the use of 2 USB 2.0 ports on the RX side: (power supply on RX side)

1 U disk and 1 mobile hard disk can be extended by 40--50 meters (Measured UTP with shielded CAT 5E network cable, which can read and write simultaneously on 2 storage disks);

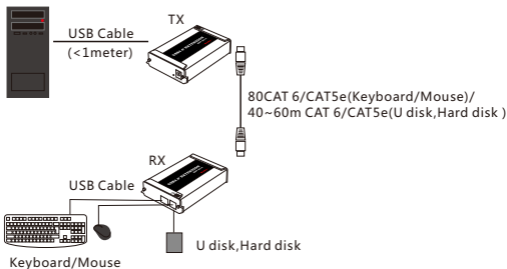
2 U disks can be extended by 40--60 meters (CAT6 network cable, 2 U disks can be read and written simultaneously at 40 meters; 1 U disk can be read and written at 60 meters)

Connect 1 U disk or USB2.0 device and 1 keyboard or mouse to extend up to 60 meters (measured UTP with shielded CAT 6 network cable)

Only one set of keyboard and mouse can be extended up to 80 meters (CAT 6 line)

The above USB 2.0 extension distances are related to the quality of the network cable and Rj45 connectors. Please pay attention to troubleshooting during use.

5. Point to point KVM Extension



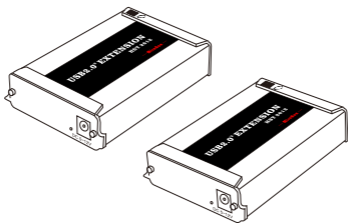
6. Trouble Shooting

1. Check the UTP cable connection and power connection
2. Change short length UTP cable(1meter) to verify the device working status. If devices working correct over short length UTP cable, please check the long UTP cable quality and internal wire connection.
3. Check indicator light to figure out the issue. The Tx side indicator keeps fast flashing or light on when Rx connected and Host PC connected. The Rx side indicator keeps fast flashing or light on when Tx connected and Host PC connected. If the indicator keeps slow flash, please check the connection between Tx to Rx and Tx to Host PC.

HST2612 PoC

USB 2.0* 2 网络延长器

使用手册



一. 产品简介

HST2612是2路USB2.0延长器，本产品通过网线，将接收端鼠标键盘控制信号回送到发射端，实现主机设备键盘鼠标（K/M）延长功能，最远距离可达80米。同时支持USB 2.0 延长，读写操作U盘存储设备最远可达60米(CAT6网线)。

本产品任意一边12V电源供电,两边工作,从而满足客户各种组合功能的需求。

二. 主要特性

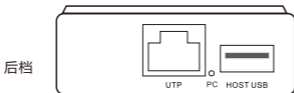
- ▶ 2路 USB 2.0延长
- ▶ 键盘鼠标（K/M）延长功能, 最远距离可到80米
- ▶ 任意一边12V电源供电,两边工作

三. 技术参数

参数	说明
电源	DC 12V2A(单边供电 只需一个12V1A电源)
单边供电最大功耗	MAX 2W (1对延长器的总功耗)
USB接口	USB 2.0
网线接口	UTP/STP: CAT 6, CAT 5e
最大延长距离	80米(键盘鼠标); 移动硬盘,U盘(60米)
工作模式	点对点延长
产品尺寸	125mm * 84mm * 25mm
工作温度	-5°C - +75°C
工作湿度	5% ~ 90% RH(非凝固)

四. 接口说明

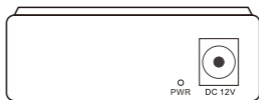
发射端



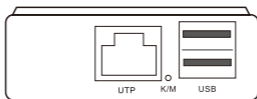
标识	类型	说明
DC 12V	输入接口	12V 1A 电源输入(单边供电)
Power	电源指示灯	上电常亮
UTP	输入输出接口	连接网线, 传输信号
HOST USB	USB 接口	电脑主机USB 接口 以及 连接指示灯

接收端

前档



后档



标识	类型	说明
DC 12V	输入接口	12V 1A 电源输入(单边供电)
Power	电源指示灯	上电常亮
UTP	输入输出接口	连接网线, 传输信号
K/M USB	USB 接口	键盘鼠标USB 接口 以及 连接指示灯

标识	类型	说明
UTP	输入输出接口	连接网线, 传输信号
Power	电源指示灯	上电常亮
USB 2.0	USB 2.0 接口	全速USB 接口 支持U盘、硬盘、摄像头、麦克风、USB触控屏等各种USB设备

配套用时RX端2个USB 2.0接口接入情况：(单边选择RX端供电USB 2.0延长工作更有保障)

接入1个U盘1个移动硬盘可延长40--50米

(实测UTP带屏蔽CAT 5E网线, 可2个存储盘同时读写操作)；

接入2个U盘可延长40--60米(CAT6网线, 40米可2个U盘同时读写操作)；

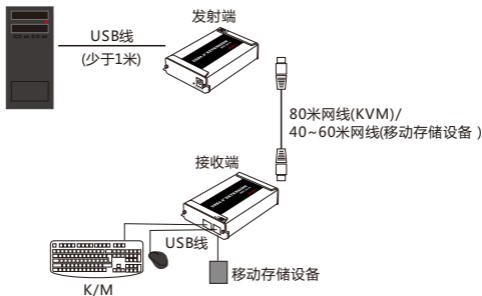
60米可读写其中1个U盘)

接入1个U盘或USB2.0设备和1个键盘或鼠标最远可延长60米(实测UTP带屏蔽CAT 6网线)

仅接入1套键鼠最远可延长80米(CAT 6类线)

以上USB 2.0延长距离均与网线质量及水晶头磨损程度相关, 使用中注意排查。

五. 点对点延长连接示意图



六 故障排除

- TX端：PC灯正常工作与RX端K/M灯状态同步快闪或常亮；
(不接入主机信源时为慢闪，呼吸状态)
- RX端：K/M灯正常工作与TX端PC灯状态同步快闪或常亮；
(TX端未接入主机信源时为慢闪，呼吸状态)

注意：为保证使用良好接入主机板载USB2.0的接口，
Tx端接入主机的USB线不应超过1米