

# USB/Ethernet to USB Hub - ID# 895



**Operation Manual**

## Introduction

The USB over Ethernet 4 port Extender is a multi functional USB HUB giving you three different modes of operation: A LAN Mode, an Extender Mode and a HUB Mode. The LAN (Local Area Network) Mode is useful for homes and offices with existing network infrastructure to allow users to access 4 USB devices. The Extender Mode is a convenient option to extend the operation distance of USB signal by up to 100 meters over a single CAT5/6 cable. In the HUB Mode (when no signal extension is needed) it becomes a 1-in-4-out USB HUB. All three modes support USB 1.1 and 2.0 protocols. USB 2.0 has a data rate of up to 480Mbps while 1.1 has only 12Mbps

## Features

- Control up to 4 four USB devices
- Can handle high-speed (480Mbps), full-speed (12Mbps) and low- speed(1.5Mbps) transaction (speed in the LAN Mode might be limited by the bandwidth of the network)
- Works up to 100 M away (in the Extender Mode)
- Connect with existing Ethernet cable or directly to PC with RJ-45 cable
- Compliant with USB 2.0 (Hi-speed) specification
- Support Ethernet protocols TCP/IP
- Support 10/100/1000Mbps Ethernet speed

## Applications

- LAN's USB device sharing and or control
- External USB hub
- USB display control (with USB to HDMI converter)

## System Requirements

Input source equipment such as PC/laptop with USB or RJ45 (directly or through IP router) cable and output USB devices such as printer server, flash, HDD and or digital camera.

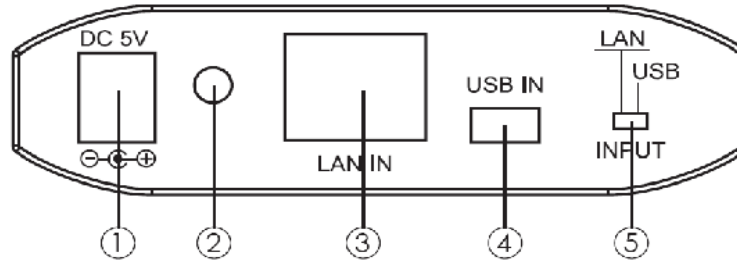
System Hardware Requirements: 2.4GHz single core CPU with at least 1GB RAM for optimal performance

Operating Systems:

- Windows XP Home or Professional 32 bits SP2
- Windows Vista 32 bits,
- Window 7

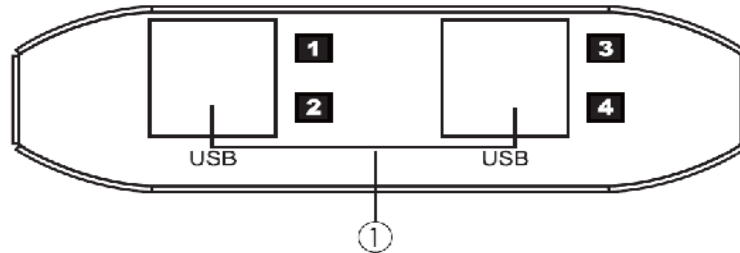
## Operation Controls and Functions

### Front Panel



- 1. DC 5V:** Plug the DC 5V power supply and connect the adaptor to AC wall outlet.
- 2. Power LED:** This green LED will illuminate when the device is connected with power supply.
- 3. LAN IN:** This slot is to connect with CAT5e/6 cable from your network system or PC/laptop.
- 4. USB IN:** This slot is to connect with mini USB to USB cable from your PC/ laptop.
- 5. INPUT switch:** This switch allows users to choose input signal from LAN or USB.

### Rear Panel



- 1. USB 1~4:** These slots are to connect with USB devices such as flash drive, external HDD, digital camera, printer server and etc...

The USB over Ethernet Extender is a multi functional USB HUB which allows you to.

A. Access USB gadgets as well as Laptops and PCs over existing Intranet network – the LAN Mode; The LAN Mode is extremely useful in any home / office configured with network infrastructure, as the device allows users connected to the LAN (Local Area Network) to access up to any four USB devices available within the same Intranet.

B. Extend USB signal over a single RJ45 / Ethernet cable up to 100 meters, to 4 bidirectional USB ports – the Extender Mode; The Extender Mode provides a nice-to-have and convenient option in any integration / installation setup for users to prolong the distance of USB signal transaction up to 100 meters, over a single RJ45 cable.

C. Use it as a regular 1-IN-4-OUT USB HUB – the HUB Mode. The HUB Mode serves users, when no signal extension is needed, as a common 1-IN-4-OUT USB HUB.

For the LAN mode or Extender Mode to function, certain software

application and driver (both are provided in the CD bundled) are required to be installed on the connected PCs / Laptops for them to identify and hook up with the unit in the same network using TCP/IP protocol.

In all 3 modes, USB 2.0 and 1.1 protocols are both supported, while the former can go with a data rate up to 480 Mbps, and the later only 12 Mbps.

Role of USB devices / gadgets in a setup with this unit:

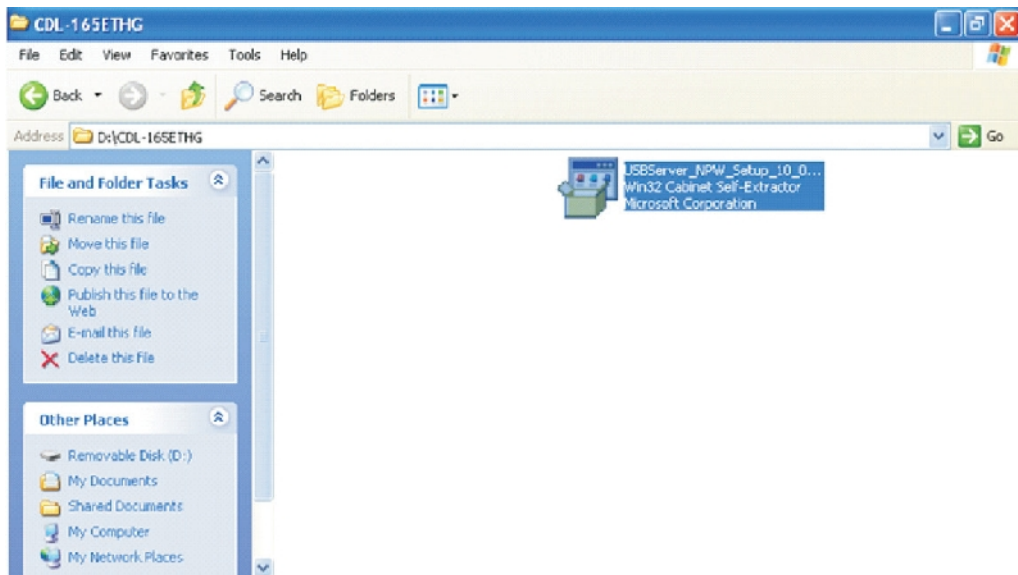
- Host Devices (PC / Laptop): Control this unit and its connected USB devices.
- Storage Devices (USB Flash Drive, USB Hard Drive, etc.): Provide bidirectional data transferring between themselves and the Host Devices.
- Peripheral Devices (USB Printer, USB Scanner, etc.): Provide their specific application to be utilized by the Host Device.
- Input Devices (USB Keyboard, USB Mouse, etc.): Operates the Host Device remotely.

## Software Installation

The following sections list the procedures to follow when installing the USB to HDMI and USB device drivers. Insert the provided CD into your CD-ROM drive, then begin the USB Install Disc and follow the below steps to install the driver.

### Install USB Server Software

Double click on the USBServer Setup icon to execute the set up and click finish when the setup is complete.

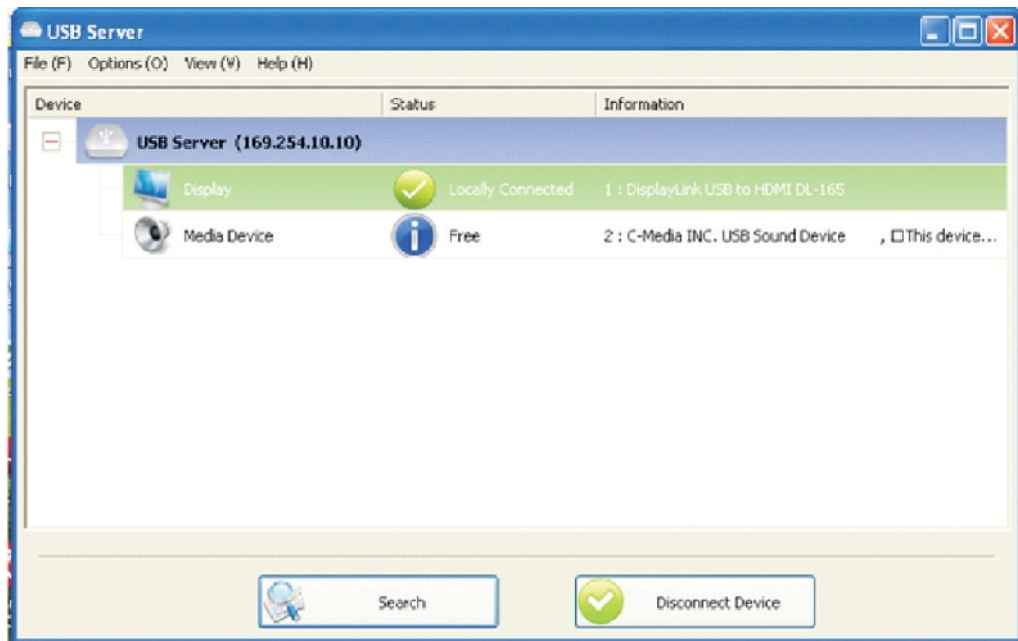


When both DisplayLink and USBServer has been installed completely the USB Server's icon should appear on the desktop and the button right side of the desktop.



## Using USB Server

Double click on the Launch USB Server icon from the desktop or from the button right side and the USB Server window will appear on the desktop.  
**Connect both PC/Laptop and the device with RJ-45 cable and click on Search and switch the INPUT switch on the device to LAN.**



Once the connection is done click on Connect Device next to the Search for both Display and Media. When the connection is done the Status will appear with "✓" mark. When disconnecting click on "Disconnect Device".

## Uninstall the Device Driver

Follow the steps below to uninstall the Multi View driver.

**Step 1:** Open the Control Panel: **Start** → **Control Panel** → **Add or Remove Programs**.

**Step 2:** Select **USB Server** and click **Remove**.



## Specifications

<b>Input</b>	<b>1 x Ethernet RJ-45; 1 x Mini-USB</b>
Network Protocol	<b>TCP/IP</b>
Network Interface	<b>10/100/1000Mbps</b>
Output	<b>4 x USB</b>
Operating System Support	<b>Windows, XP SP2, Vista 32bits and Window 7</b>
ESD Protection	<b>Human Body Model:</b> <b>± 8kV (air-gap discharge)</b> <b>± 4kV (contact discharge)</b>
Dimensions (mm)	<b>119 (W) x 88 (D) x 25 (H)</b>
Weight (g)	<b>120</b>
Chassis Material	<b>Plastic</b>
Silkscreen Color	<b>Black</b>
Power Consumption	<b>6.2W</b>
Operating Temperature	<b>0°C ~ 40°C/ 32°F ~104°F</b>
Storage Temperature	<b>-20°C ~ 60°C/ -4°F~140°F</b>
Relative Humidity	<b>20~90% RH (non-condensing)</b>
Power Consumption	<b>(W) 6.2</b>

# Connection and Installation

