USB Device Server User Manual

Model Number: *US-H1C, US-H3, US-H6, US-H6C, US-H9, US-H12*

Installation Guide

Coolgear, Inc.

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Contents

1. INTRODUCTION

This USB over Ethernet hub, is an innovative, robust providing the capability of USB devices network sharing across any network including Ethernet, WAN, VLAN, VPN and the Internet. The USB devices connected can be accessed and shared over Ethernet by multiple remote client computers. This USB over Ethernet hub makes it possible to share any number of USB devices, and it makes them available to the remote computers connected from anywhere in the world. By adding the USB over Ethernet hub to a network computer connected to LAN, WAN, or the Internet, you can then share the USB devices plugged into the Hub. The authorized users are allowed to remotely connect and use the shared USB devices from anywhere, regardless of their distances and locations. Unlike many other USB over IP Servers, with their limitation for usage only on the same network but not functioning over different networks, the USB over Ethernet hub provides flexibility and ease to allow USB ports sharing across different networks and over the Internet easily. You and other users can connect, access and share the USB devices conveniently, no matter if you are in an office next door, or in another cities, or even in different countries.

With a simple and user-friendly interface, the USB Device Sever program is very easy to install and use. There are no complicated settings to be configured, and nor do you need to change any of your existing network configuration. Only few simple steps will take you instantly to make the USB devices ready to share over any network. Likewise, it is very easy for the client computers to find and connect to all the available remote shared USB devices. To secure the connection between shared USB devices and remote client computers, password authorization is implemented for controlled access. Only authorized clients are permitted to access specified USB devices remotely. In addition, traffic encryption provides further protection on data security and keeps all the information safe to secure connection. Data compression feature is also available to accelerate data transfer speed.

USB over Ethernet hub is a professional solution to redirect USB devices to remote computers on the network. It provides a convenient and efficient way for USB devices remote connectivity. The Anyplace software provided works with Windows 11, 10, 8.1, 8, 7, Vista, XP, ME, 2000, Windows Server 2016 and Linux.

2. FEATURES

- Empowers USB ports with USB device networking and sharing functionality
- USB over Ethernet Device Hub allows USB devices to be accessed and shared by multiple client computers over networks or across the internet
- Network-enables remote USB peripherals and devices as if they were connected directly to the local PC
- Supports wide variety of USB devices, i.e. printers, webcams, conference cams, cameras, fingerprint readers, scanners, barcode scanners, ID card scanners, security dongles, USB dongles, hard drives and flash drives, USB to RS-232/422/485 adapters, iPhones, iPads, Android devices and many more
- USB plug-and-play and hot-swap functions same as onboard USB ports
- User-friendly and convenient USB Device Sever software program with both server and client functionality
- Shares your USB devices and connects remote shared USB devices over a network at the same time
- Password authorization and traffic encryption for data security and safety
- Any authorized users in an office next door or in another country may remotely access your USB devices through USB Device Sever app client
- Supports standard USB webcam functions such as video transfer over a network (Internet/LAN/WAN)
- Supports high speed isochronous USB devices
- Able to share USB security software protection dongles conveniently using features of USB Device Sever software program
- Redirects USB devices to virtual machines such as VMWare, Virtual PC, Citrix Xen Desktop, Microsoft Hyper-V, QEMU (KMV), etc. On a virtual machine, easy to establish a passthrough for USB devices from host OS to a guest OS
- Multiple transaction translator (TT) architecture to each USB downstream (DS) port
- LEDs for power and USB status indication
- Power supply with latch locking to the USB over IP hub preventing accidental disconnection
- Individual port power management
- Overcurrent protection
- CE, FCC approval

3. SPECIFICATIONS

US-H1

The tables below show the hardware specifications of the US-H1:

Function		Specification
USB Data rates		USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
Ports	Downstream	One USB A type female connector
	Upstream	One USB A type male connector
LEDs	USB Port Status	Green LED
	USB Share Status	Red LED
Power Mode		Self-power mode
Output Voltage		+5VDC
Output Current		400mA maximum
Operating Temperature		0°C to 55°C
Storage Temperature		-20°C to 75°C
Humidity		0 to 90% RH. Noncondensing
Safety Approvals		CE, FCC
Housing		Plastic case (Blue)
Weight		32g
Dimensions		42mm × 70mm × 23mm (W × L × H) Cable length: 300mm (L)

US-H1C

Function		Specification
USB Data rates		USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
Ports	Downstream	One USB A type female connector
	Upstream	One USB type C male connector
LEDs	USB Port Status	Green LED
	USB Share Status	Red LED
Power Mode		Self-power mode
Output Voltage		+5VDC
Output Current		400mA maximum
Operating Temperature		0°C to 55°C
Storage Temperature		-20°C to 75°C
Humidity		0 to 90% RH. Noncondensing
Safety Approvals		CE, FCC
Housing		Plastic case (Black)
Weight		30g
Dimensions		42mm × 70mm × 23mm (W × L × H) Cable length: 300mm (L)

US-H3

Function		Specification
USB Data rates		USB 3.1 Gen. 1 5Gbps (super speed), USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
Ports	Downstream	Three
	Upstream	One
LEDs	Power	One
	Port Status	Three
Output Voltage (per port)		+5VDC
Output Current (per port)		900mA maximum
Operating Temperature		0°C to 45°C
Storage Temperature		-20°C to 70°C
Humidity		0 to 90% RH. Noncondensing
Safety Approvals		CE, FCC
Housing		Plastic case
Weight		100g
Dimensions		103 mm × 95mm × 30mm (W × L × H)
Input Power Range		5Vdc

US-H6

Function		Specification
USB Data rates		USB 3.1 Gen. 1 5Gbps (super speed), USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
Ports	Downstream	Six Type-A connectors
	Upstream	One Type-B connector
LEDs	Power	One
	Port Status	Six
Output Voltage (per port)		+5VDC
Output Current (per port)		900mA maximum
Operating Temperature		0°C to 45°C
Storage Temperature		-20°C to 70°C
Humidity		0 to 90% RH. noncondensing
Safety Approvals		CE, FCC
Housing		Metal case
Weight		290g
Dimensions		123mm × 68mm × 30mm (W × L × H)
Input Power Range		9Vdc ~ 30Vdc

US-H6C

Function		Specification
USB Data rates		USB 3.1 Gen. 1 5Gbps (super speed), USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
Ports	*Downstream*	Four Type-A and two Type-C connectors
	Upstream	One Type-B connector
LEDs	*Power*	One
	Port Status	Six
Output Voltage (per port)		+5VDC
Output Current (per port)		900mA maximum
Operating Temperature		0°C to 45°C
Storage Temperature		-20°C to 70°C
Humidity		0 to 90% RH. noncondensing
Safety Approvals		CE, FCC
Housing		Metal case
Weight		300g
Dimensions		123mm × 68mm × 30mm (W × L × H)
Input Power Range		9Vdc ~ 30Vdc

US-H9

Function		Specification
USB Data rates		USB 3.1 Gen. 1 5Gbps (super speed), USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
Ports	*Downstream*	Nine Type-A Female USB
	Upstream	One Type-B connector
LEDs	*Power*	One
	Port Status	Nine
Output Voltage (per port)		+5VDC
Output Current (per port)		900mA maximum
Operating Temperature		0°C to 45°C
Storage Temperature		-20°C to 70°C
Humidity		0 to 90% RH. noncondensing
Safety Approvals		CE, FCC
Housing		Metal case
Weight		150g
Dimensions		132mm × 100mm × 32mm (L × W × H)
Input Power Range		7Vdc ~ 36Vdc

US-H12

The tables below show the hardware specifications of the US-H12:

Function		Specification
USB Data rates		USB 3.1 Gen. 1 5Gbps (super speed), USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
Ports	*Downstream*	Twelve
	Upstream	One
LEDs	*Power*	One
	Port Status	Twelve
Output Voltage (per port)		+5VDC
Output Current (per port)		900mA maximum
Operating Temperature		0°C to 45°C
Storage Temperature		-20°C to 70°C
Humidity		0 to 90% RH. noncondensing
Safety Approvals		CE, FCC
Housing		Metal case
Weight		400g
Dimensions		155mm × 65mm × 53mm (W × L × H)
Input Power Range		9Vdc ~ 30Vdc

System Requirements

Any Windows PC with an available USB port and USB compliant operating system such as Windows 11, 10, 8.1, 8, 7, Vista, XP, ME, 2000, Windows Server 2016.

Note: The USB devices sharing function is available on computers with Windows OS and Linux.

4. INSTALLATION

This USB over Ethernet hub is a plug-and-play device that can function as a normal USB hub on your PC system or share USB ports in a network (Internet/LAN/WAN) under a Windows OS computer system through USB Device Sever software program. Any USB devices connected to the USB ports of USB over Ethernet hub can be accessed from anywhere in the world (via internet) as if it were attached directly to the remote server computer.

When Working as a Normal USB Hub (not sharing USB devices)

1. Connect the DC power adapter to USB over Ethernet hub. The red power LED will illuminate when the hub is receiving power. Connect the upstream port cable to an unused USB port on your computer.

2. After the software drivers are loaded, you will find a new “Generic USB Hub” in Universal Serial Bus controllers under “Device Manager” of the “System Properties” screen. (“Device Manager” can be accessed from Start → Settings → Control Panel → System Properties → Hardware → Device → Device Manager).

3. Connect your USB devices to the downstream ports on USB over Ethernet hub. The green/yellow USB status LED will illuminate when your USB devices have connected to the USB ports successfully.

When Sharing USB Devices to a Network (via internet/LAN/WAN)

The USB Device Sever software program is an advanced USB virtualization solution that allows you to share your USB devices over networks easily. Thus, any USB devices connected to the USB over Ethernet hub could be accessed from anywhere in the world (via internet) as if it were attached directly to the remote PC.

The USB Device Sever software program has options to configure your USB over Ethernet hub with the options “SERVER” (to share your USB devices in network) and “CLIENT” (to connect remote USB devices from network).

1. Connect the DC power adapter to USB over Ethernet hub. The red power LED will illuminate when the hub is receiving power. Connect the upstream port cable to an unused USB port on your computer.

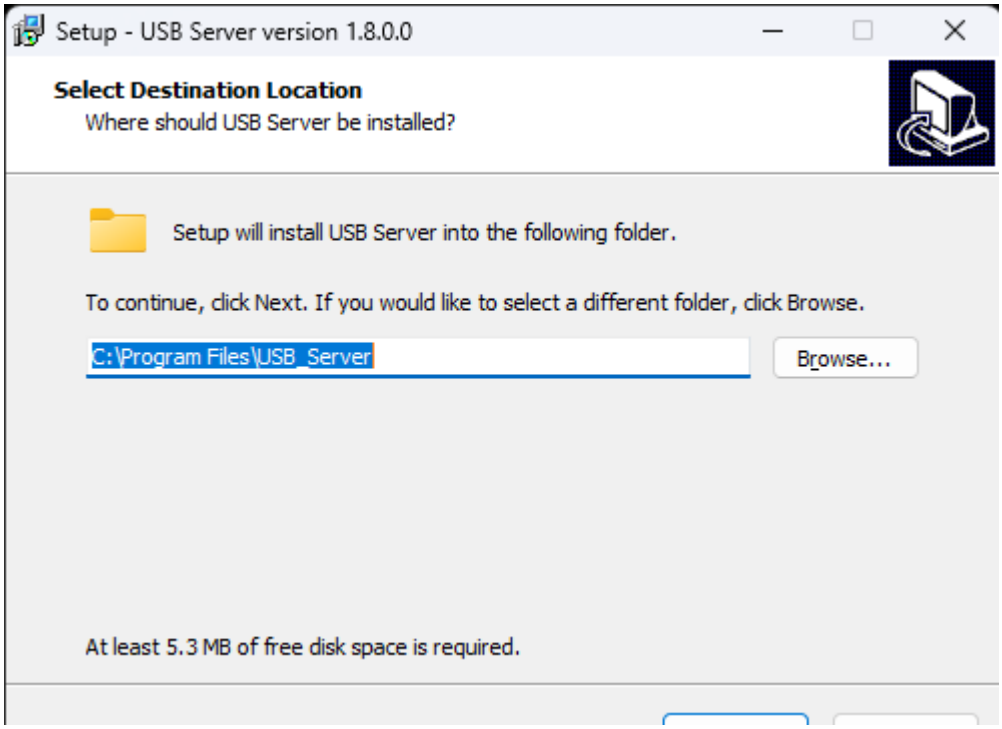
2. After the software drivers are loaded, you will find a new “Generic USB Hub” in Universal Serial Bus controllers under “Device Manager” of the “System Properties” screen. (“Device Manager” can be accessed from Start → Settings → Control Panel → System Properties → Hardware → Device → Device Manager).

3. Connect your USB devices to the downstream ports on USB over Ethernet hub. The green/yellow USB status LED will illuminate when your USB devices have connected to the USB ports successfully.

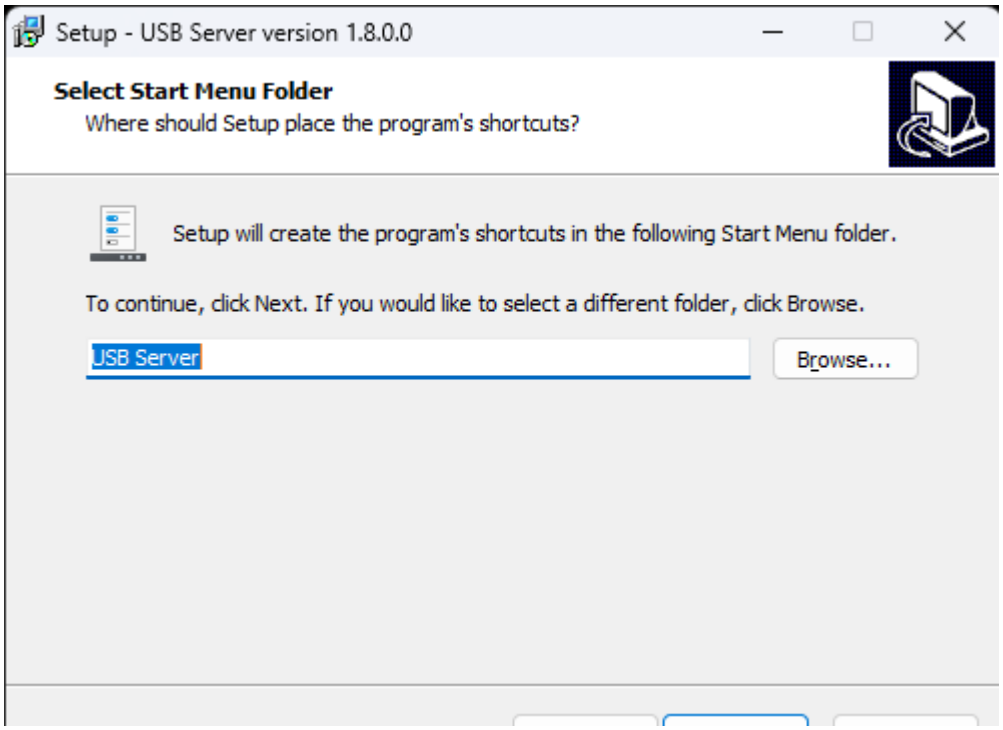
4. Insert the software CD into your CD-ROM or DVD-ROM drive.

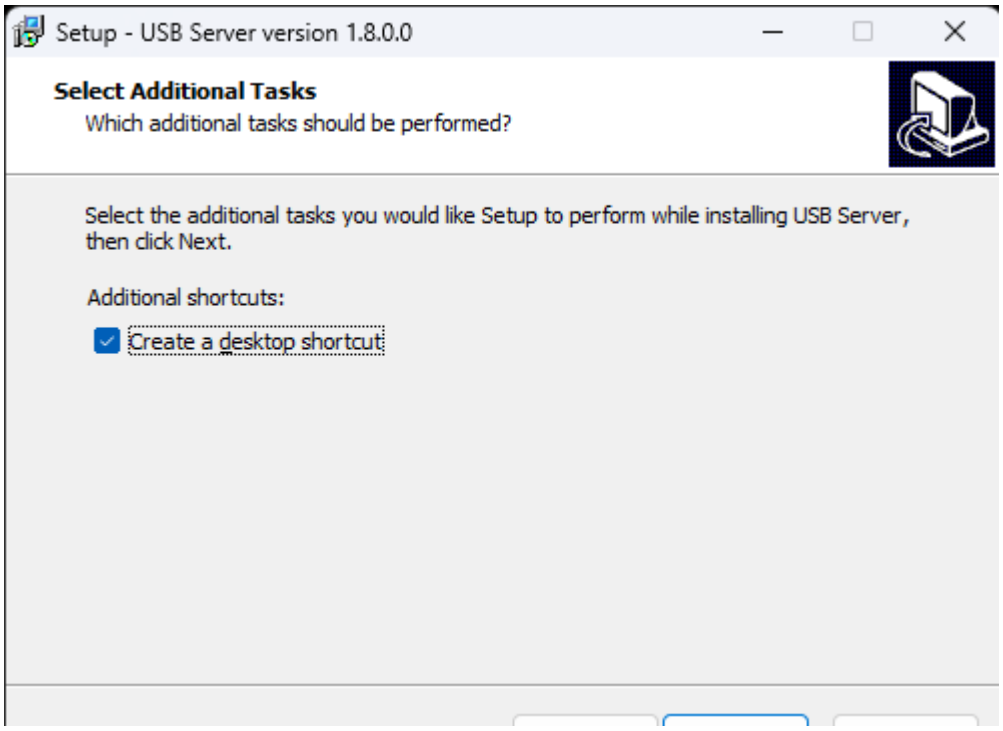
5. Open files in the CD and double click “USB_Server_Setup.exe” to install USB Device Sever software program.

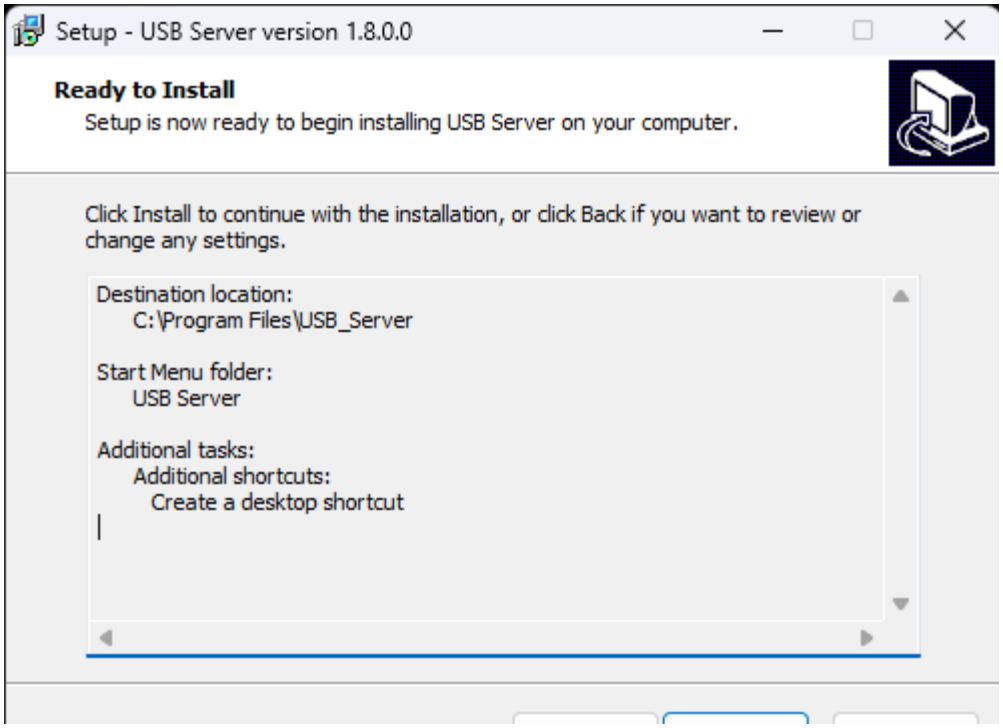
6. When the confirmation for “User Account Control” appears, click “Yes” and the “Setup - USB Device server” message appears. Click “Next” to proceed with the installation of USB Device Sever software program.



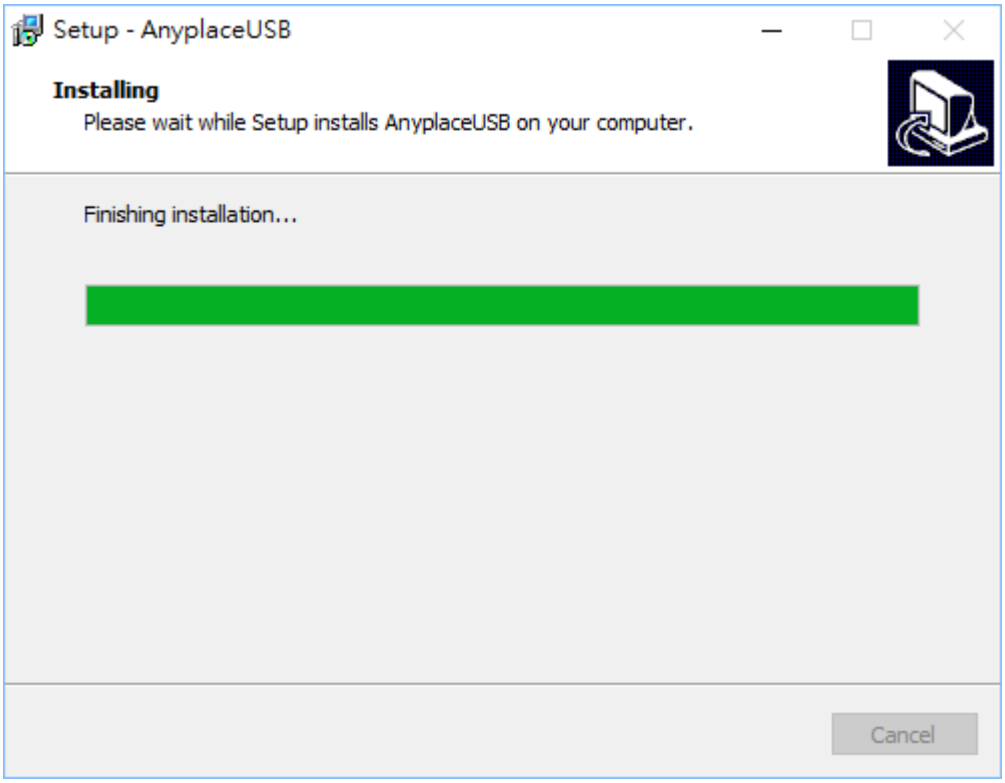
7. After you click “Next”, you will see following information. Click on “Next” and the “Ready to Install” message appears. Click “Install” to install USB Device Sever software program.



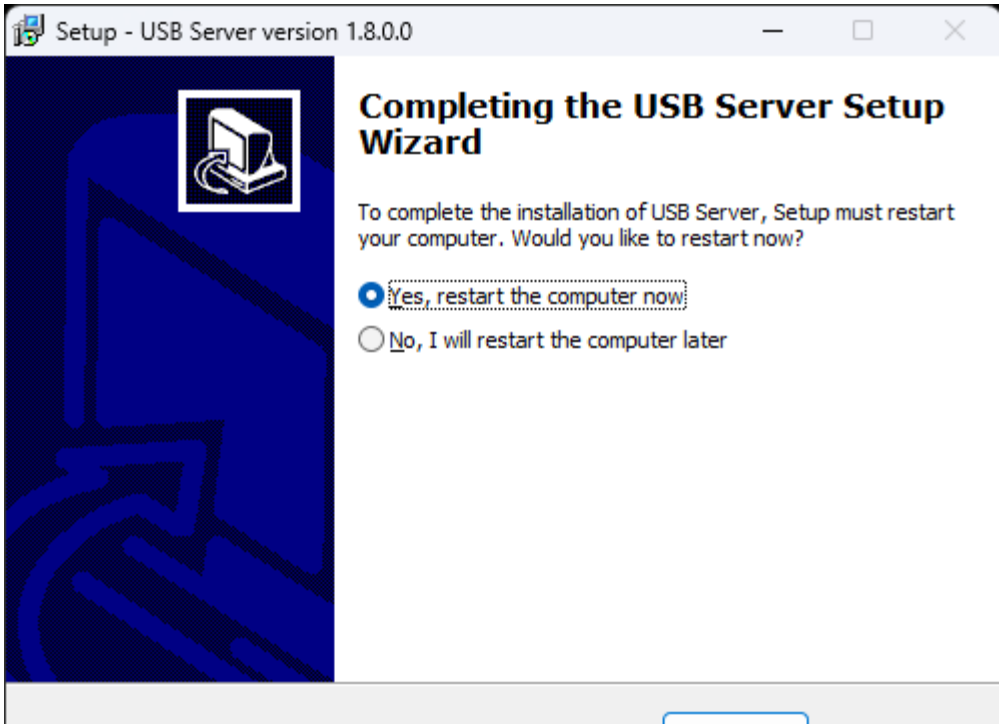




8. After you click “Install” to install USB Device Sever software, you will see the following information.



9. When the message “Completing the USB Device Sever Setup Wizard” appears, click “Finish” to restart the computer and finish the USB Device Sever software program installation.


Setup - USB Server version 1.8.0.0
Completing the USB Server Setup Wizard
To complete the installation of USB Server, Setup must restart your computer. Would you like to restart now?
Yes, restart the computer now
No, I will restart the computer later

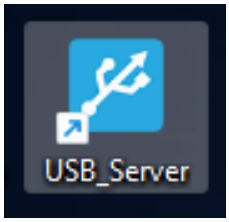
5. RUNNING USB Device Sever SOFTWARE TO SHARE USB DEVICES

Connect your PC to a Network

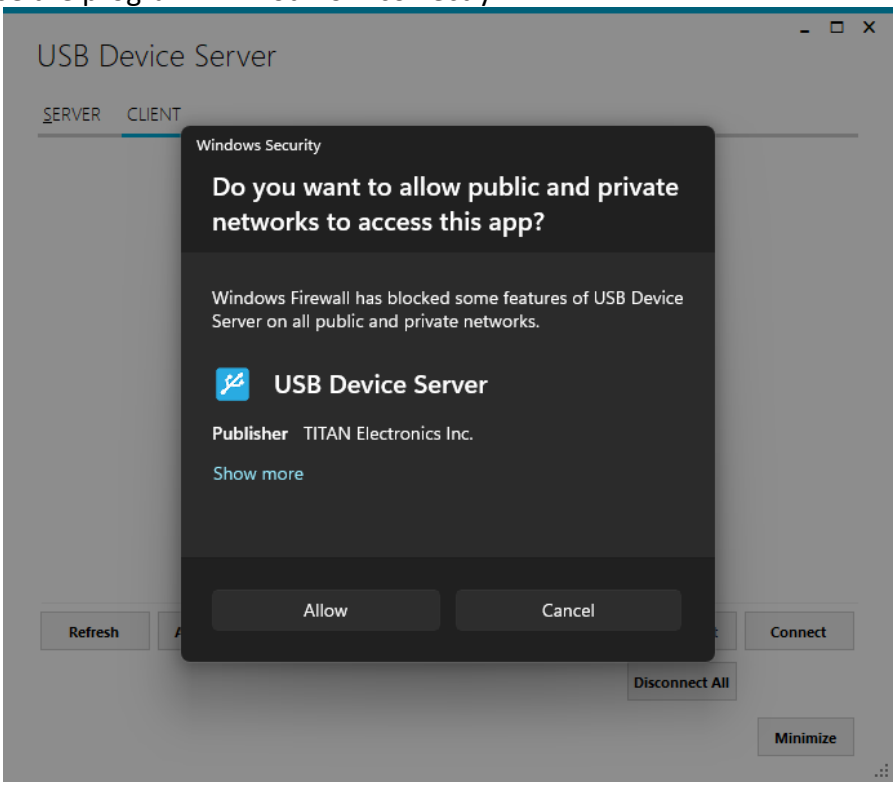
First, connect your PC to a network (Internet/LAN/WAN) environment. This can be a free Ethernet port on your DSL router, Ethernet Hub/Switch, or an 802.11n router/base station.

Connect the USB Devices to USB over Ethernet hub

Connect the USB devices to unused USB ports on USB over Ethernet hub. After connecting the USB devices to USB over Ethernet hub, double click the shortcut icon of “USB Sever” on the desktop to launch the USB Device Sever software program.

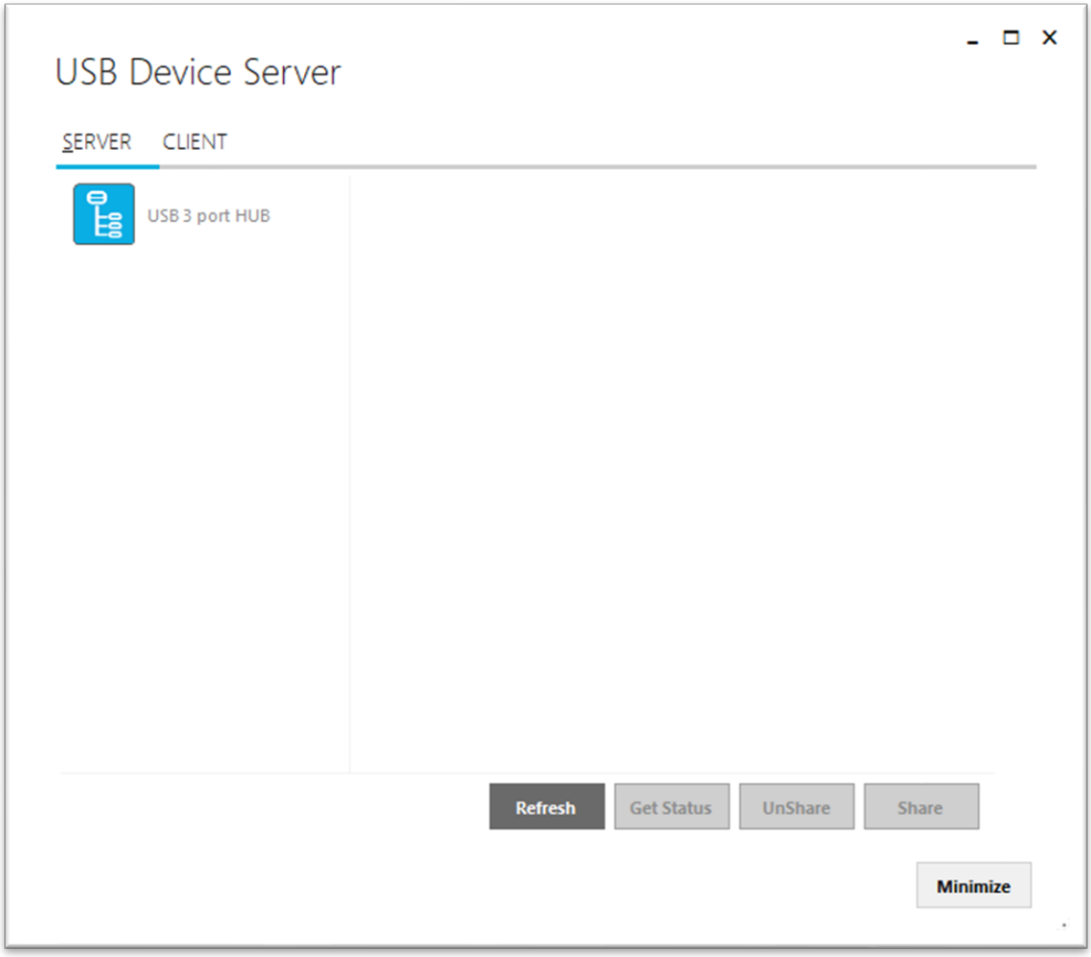


When you start the program for the first time, your Windows OS will prompt you for Firewall access. Please make sure you unblock the software or grant it access, otherwise the program will not work correctly.



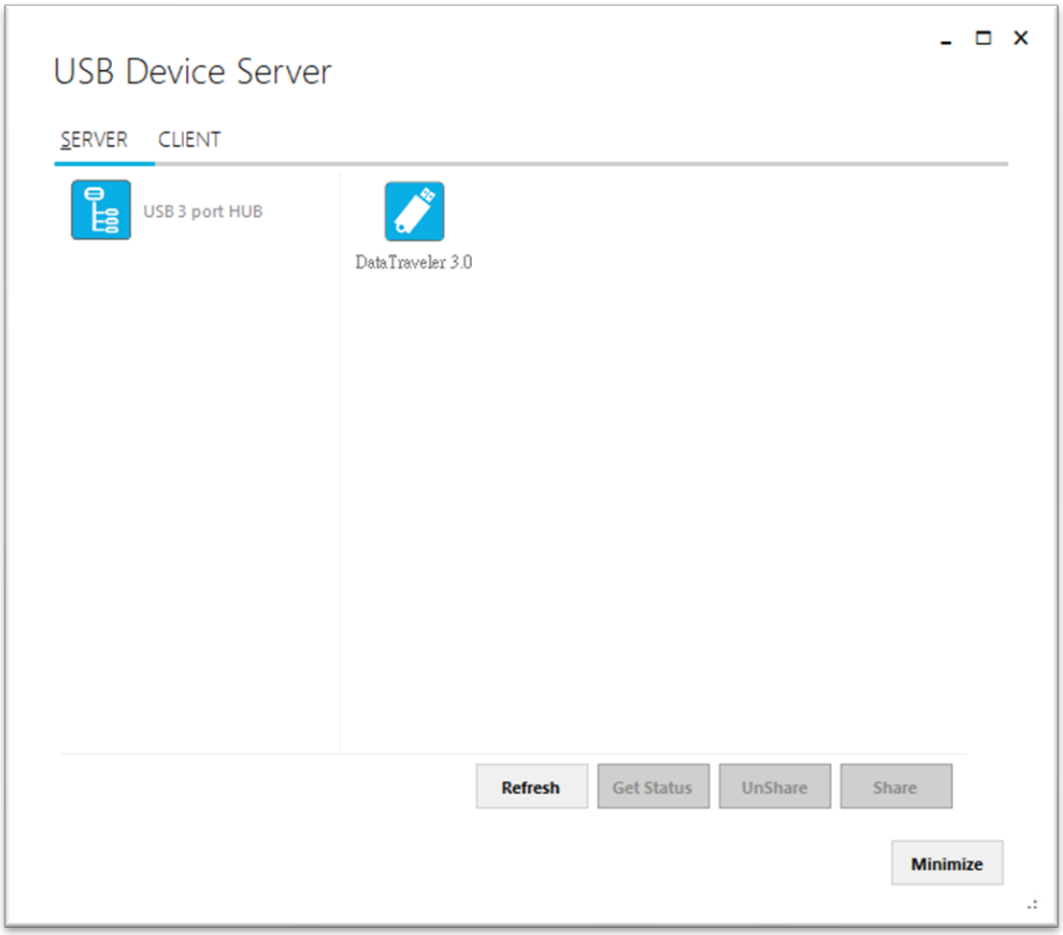
Running USB Device Sever Software Program in SERVER mode

Once you have started up the USB Device Sever software program, you will see the USB over Ethernet hub green power LED will illuminate (red -> green) and the main window as shown below.

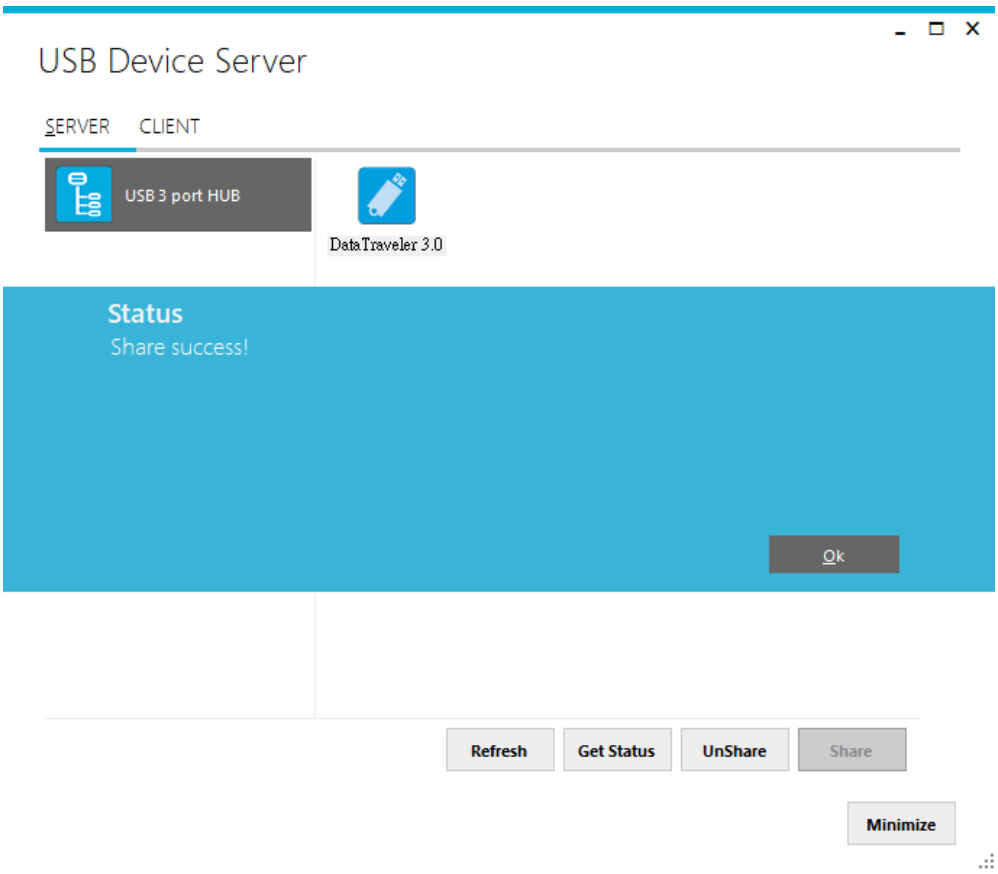


The main window consists of two toolbars (SERVER and CLIENT). When you are under the “SERVER” toolbar, you will see a “USB X port HUB” on the left side of the main window. Click on this “USB X port HUB” and a tree view will display a list of all the USB devices connected on the USB over Ethernet Hub on the right side of the main window.

After clicking any USB device connected to the USB over Ethernet Hub, the "**Share"** button will become available.

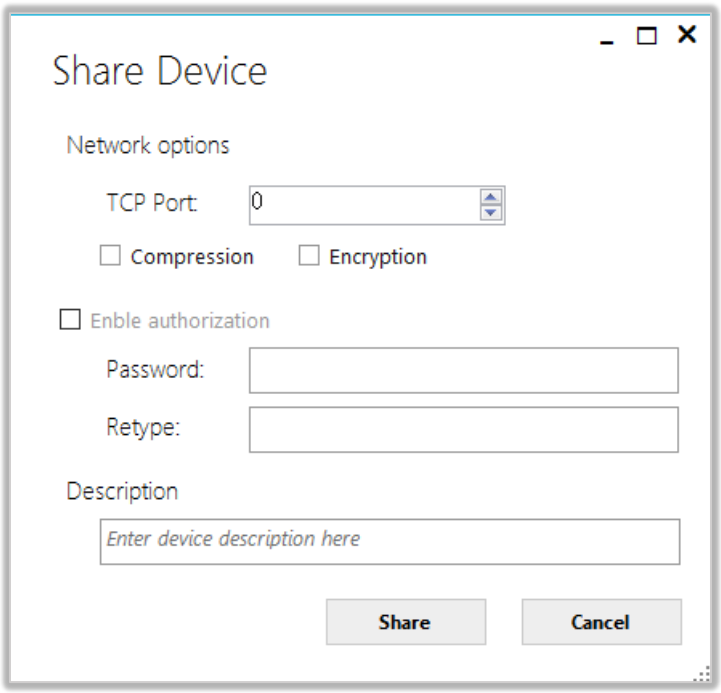


Note: USB Device Sever software program must not be closed to be able to continue sharing devices. Please consider using the "Minimize" button described in the later sections.



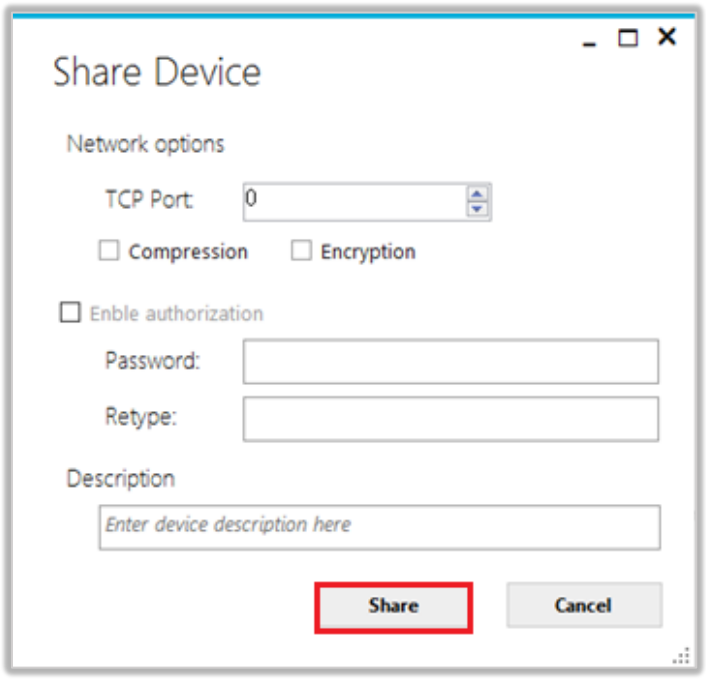
Share the USB Devices to Network

To share the USB device to a network (Internet/LAN/WAN), click the **"Share"** button and a "Share Device" control panel for this USB device will appear. Following shows the "Share Device" control panel:

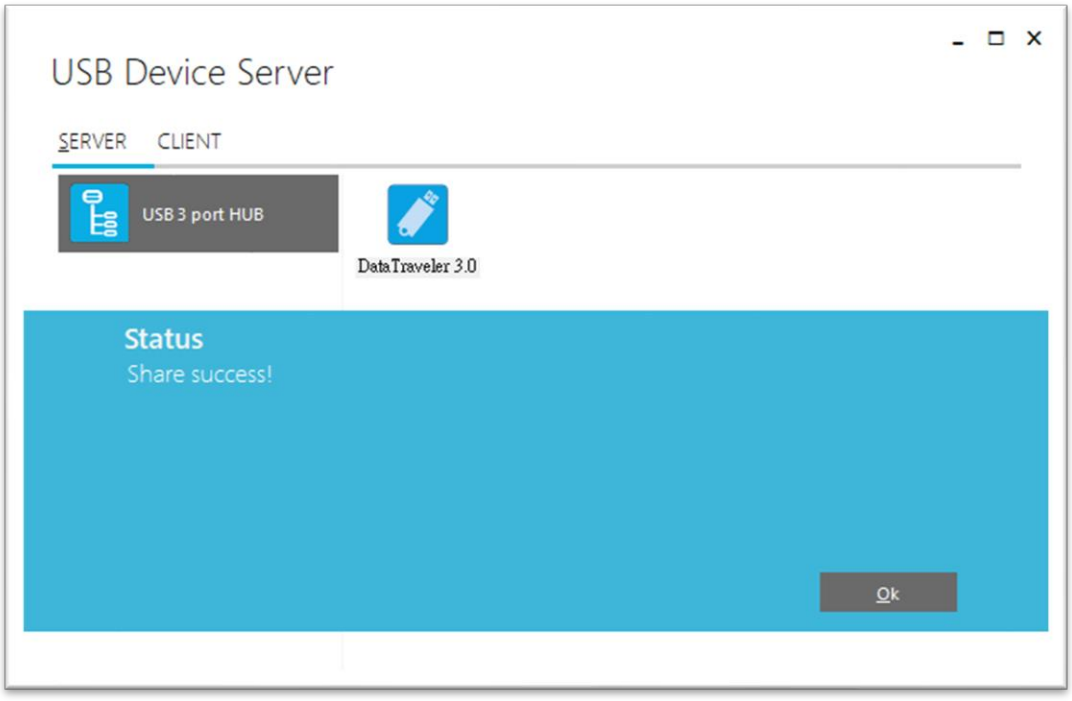


Share the USB Device Automatically

You can share the USB device automatically; under “Share Device” control panel to click “Share” button and the USB Device Sever software program will set the TCP port number automatically.

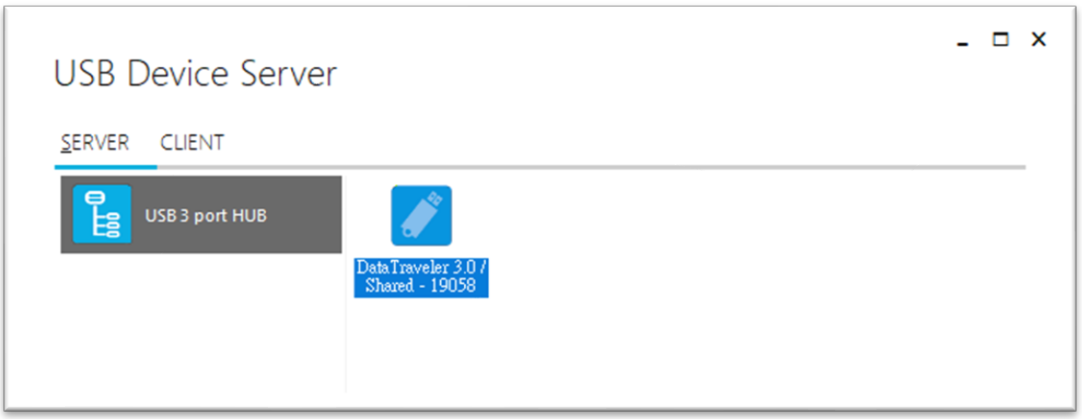


After clicking “Share” you will see the “Share success!” message. Click “Ok” to finish the USB device sharing setup. After clicking “Ok”, the USB Device Sever software program will be restarted.



Note: The share USB device process resembles sharing your USB device to other users on the network. However, unlike file sharing, A USB device become inaccessible for local usage once it is shared.

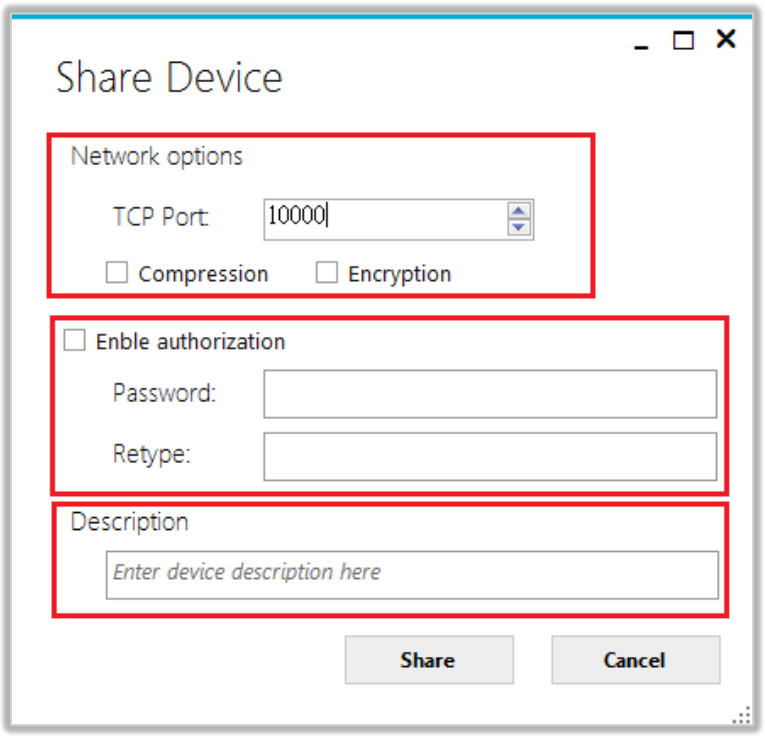
Click on the "USB X port HUB" again to display all the USB devices connected to the USB over Ethernet Hub. You will see that the shared USB device will have the words "Shared" and its TCP port number appended to the name of the device (e.g. /Shared-49666)

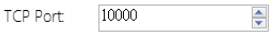


Note: USB Device Sever software program must not be closed to be able to continue sharing devices. Please consider using the "Minimize" button described in the later sections.

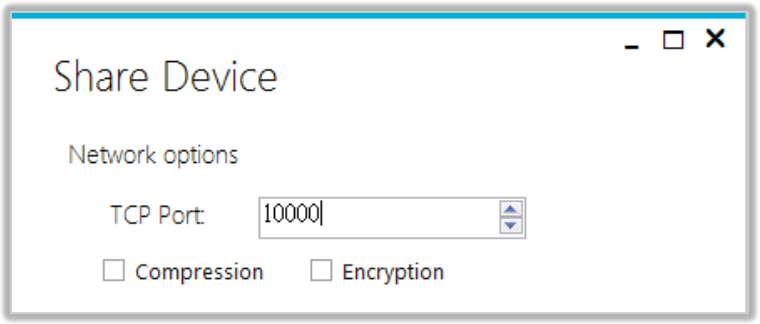
Share the USB Device with Manual Options

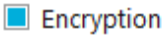
Under "Share Device" control panel, you can find three options: "Network options", "Enable authorization" and "Description".



Under “Network options” option, you can set TCP port number manually, from TCP port 

by inputting the TCP port number, which will be used in connection.



You can also enable traffic encryption by ticking the encryption box 

. It is recommended for security reasons. All data sent will be encrypted, although it may slightly slow down the communication speed.

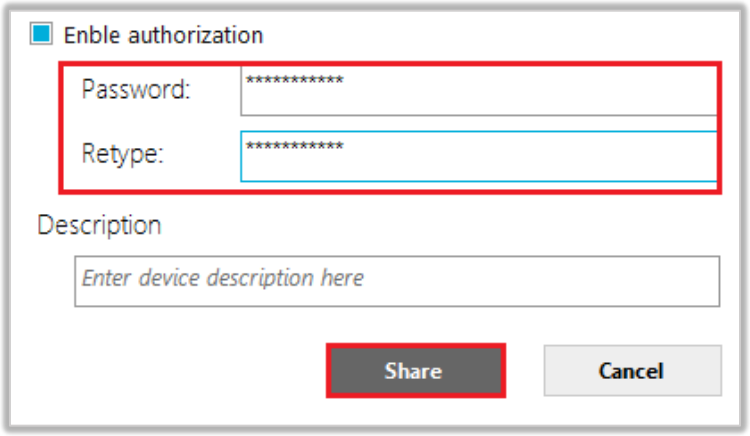
The traffic compression option helps speed up interaction with certain types of USB devices and reduces Internet traffic. You can enable traffic compression option by ticking the compression box 

. You may find this useful for USB devices which transfer data in uncompressed formats, like scanners. It is recommended to not use this option for USB devices which transfer incompressible types of data, such as isochronous USB devices (e.g. audio cards, web cams, etc.).

For example, web cam video compression is enabled by default, and further compression may degrade video quality.

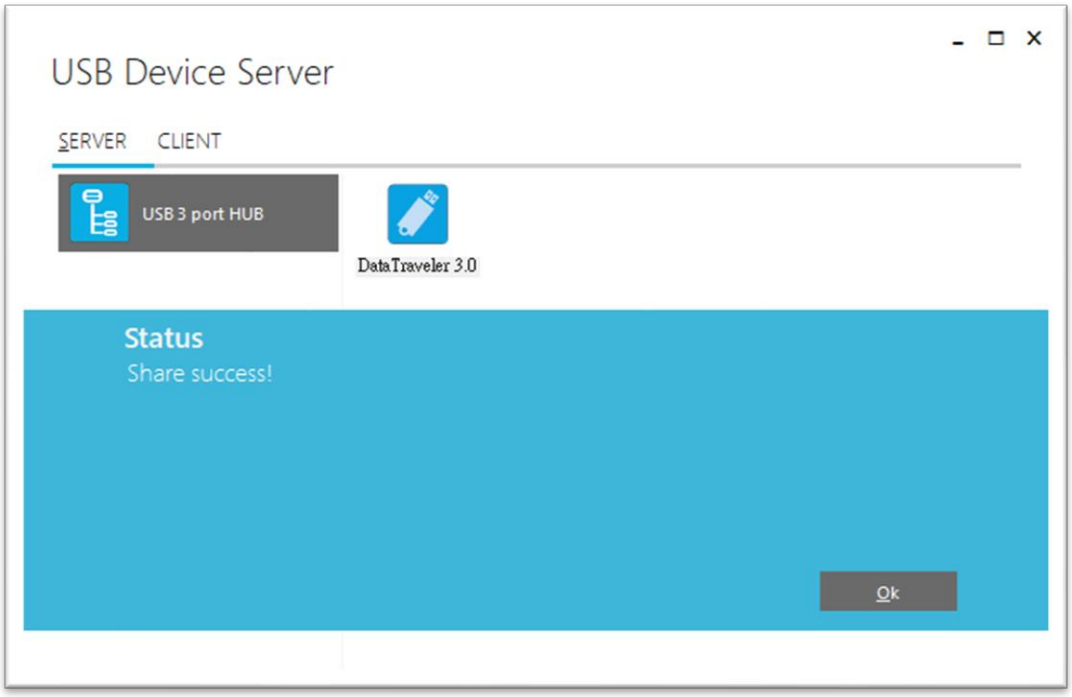
Under “Enable authorization” option, by enabling password authorization, you can use a password to secure connection. The client computer should paste the same password in order to establish connection.

Tick the “Enable authorization” box and enter your desired “Password” twice to confirm the password setting. After clicking “Share”, the shared USB device will have password protection.



Under “Description” option, you can enter a text to add a description for your shared USB device. After sharing this USB device, the client computer will be able to see the description next to the USB device.

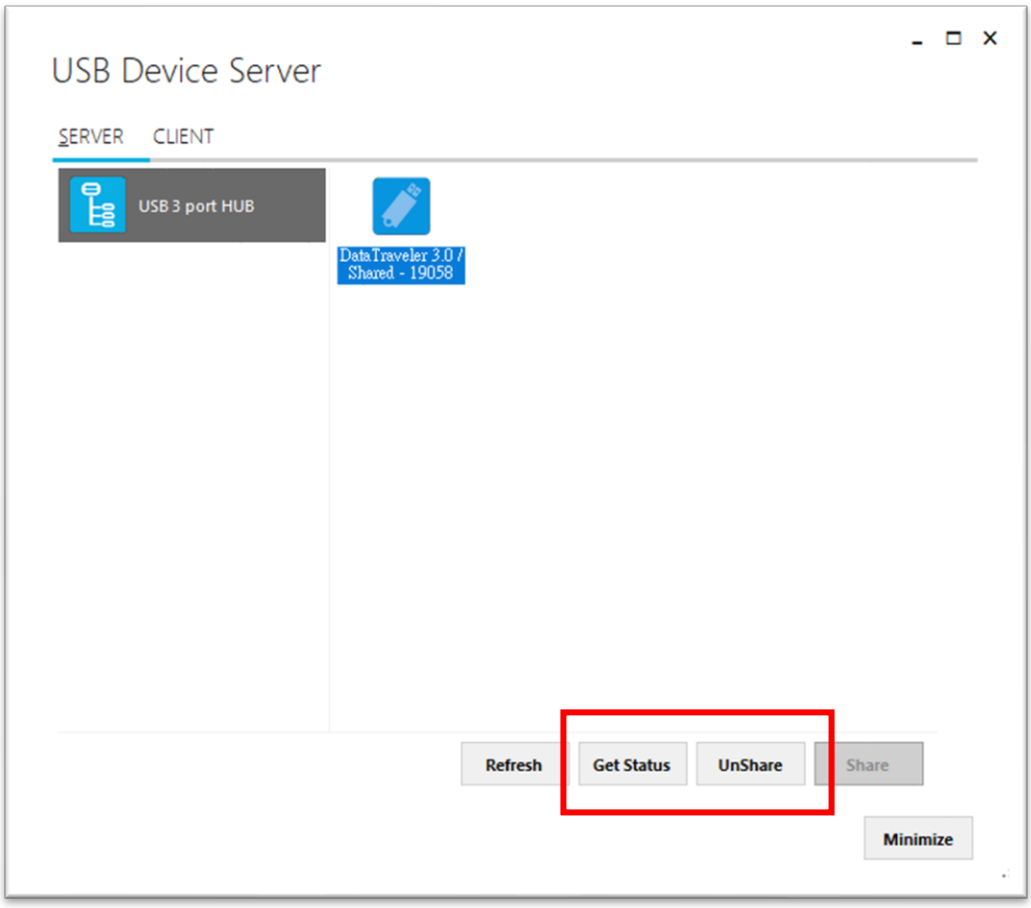
After finishing all option settings and clicking “Share”, you will see the “Share success!” message. Click “Ok” to finish the USB device sharing setup. After clicking “Ok”, the USB Device Sever software program will be restarted.



Click on the “USB X port HUB” again to display all the USB devices connected to the USB over Ethernet Hub. You will see that the shared USB device will have the words “Shared” and its TCP port number appended to the name of the device (e.g. /Shared-49666)

Note: USB Device Sever software program must not be closed in order to be able to continue sharing devices. Please consider using the “Minimize” button described in the later sections.

After sharing USB device successfully, the buttons “**UnShare**” and “**Get Status**” becomes available.



Get Status for Shared USB Device

Click the **“Get Status”** button to get the status of shared USB device. When this USB device is not being used by other users on the network, it will show “waiting for connection/49666 (TCP port number)”.

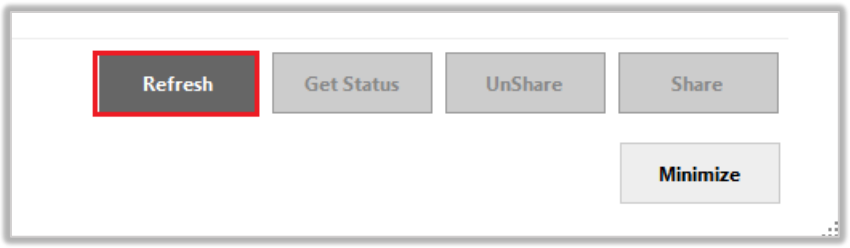
When this USB device is connected by other users on the network (Internet/LAN/WAN), it will show “connected/49666 (TCP port number)/john-PC (client PC name or IP address)”.

Un-share the USB Devices

To un-share the USB device from a network (Internet/LAN/WAN), click the **"UnShare"** button to make this USB device inaccessible remotely. After clicking **"UnShare"**, the USB Device Sever software program will be restarted and the USB device will be available locally.

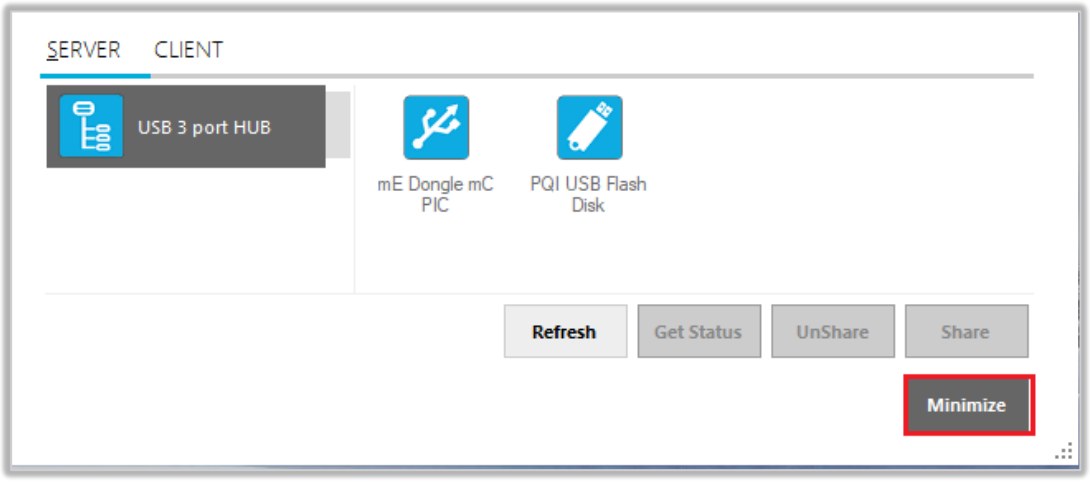
Refreshing the Information of Shared USB Devices

The information on the main window of the USB Device Sever software program may be incorrect or absent in some cases. In case this happens, you can click the "Refresh" button to reload the information for shared USB devices.

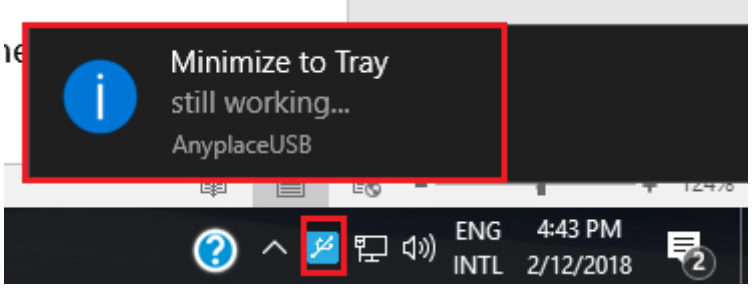


"Minimize" Button

You can click on the "Minimize" button to minimize the window of USB Device Sever software program to the system tray.



After clicking on "Minimize", you will see "Minimize to Tray" message and the window of USB Device Sever software program will move to the system tray.



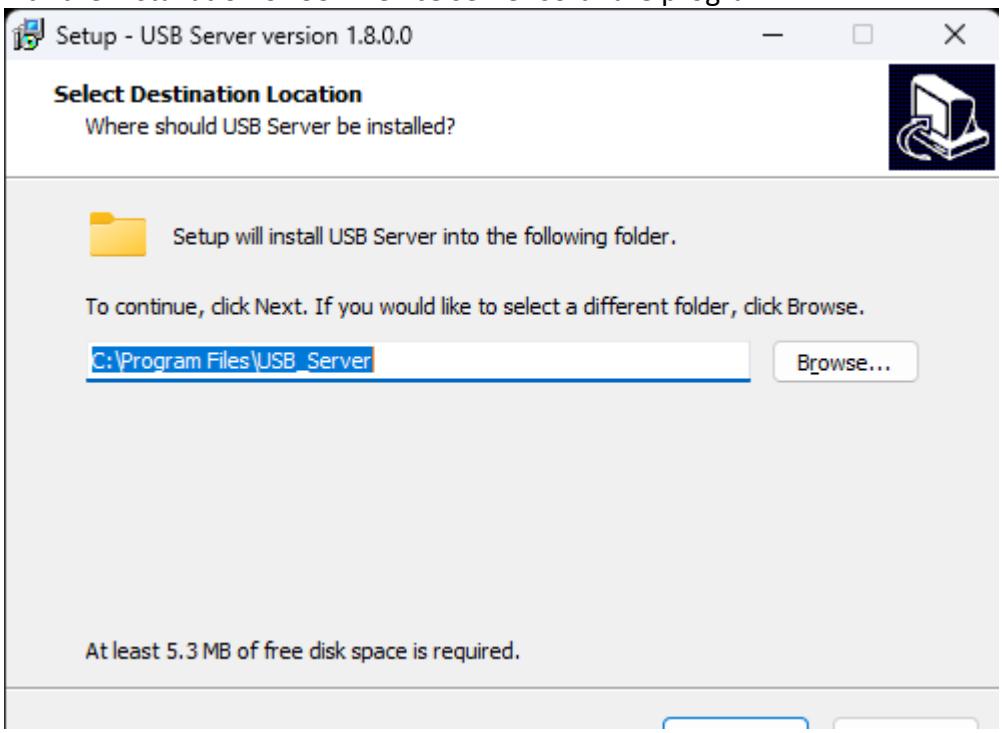
6. CONNECT TO REMOTE USB DEVICES

Install USB Device Sever Software Program in Client Computer

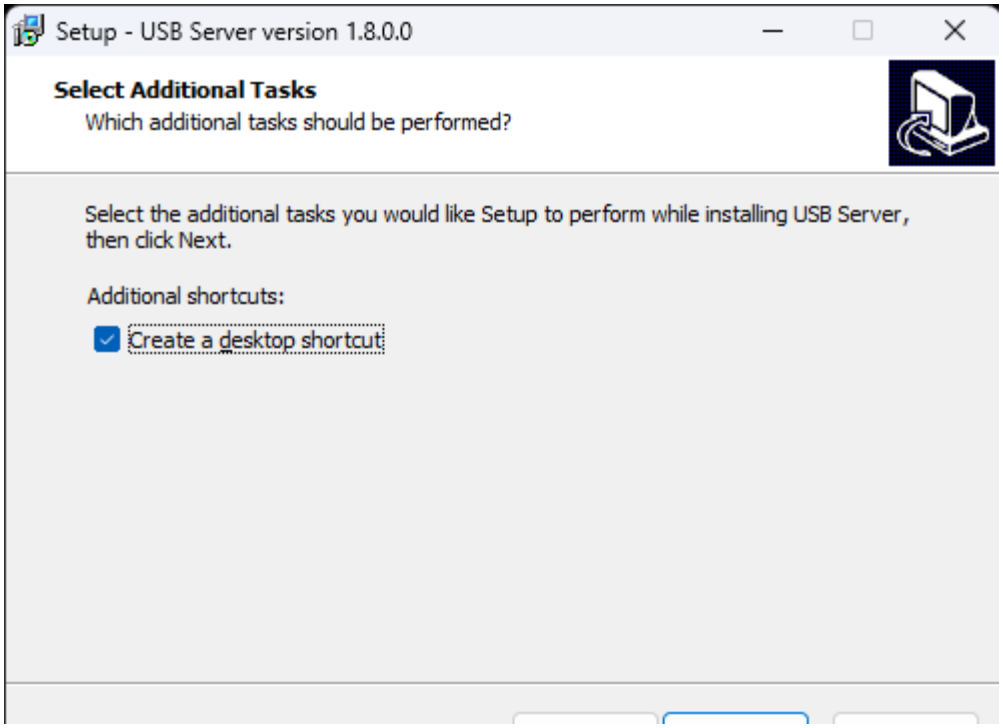
10. Insert the software CD into your CD-ROM or DVD-ROM drive.

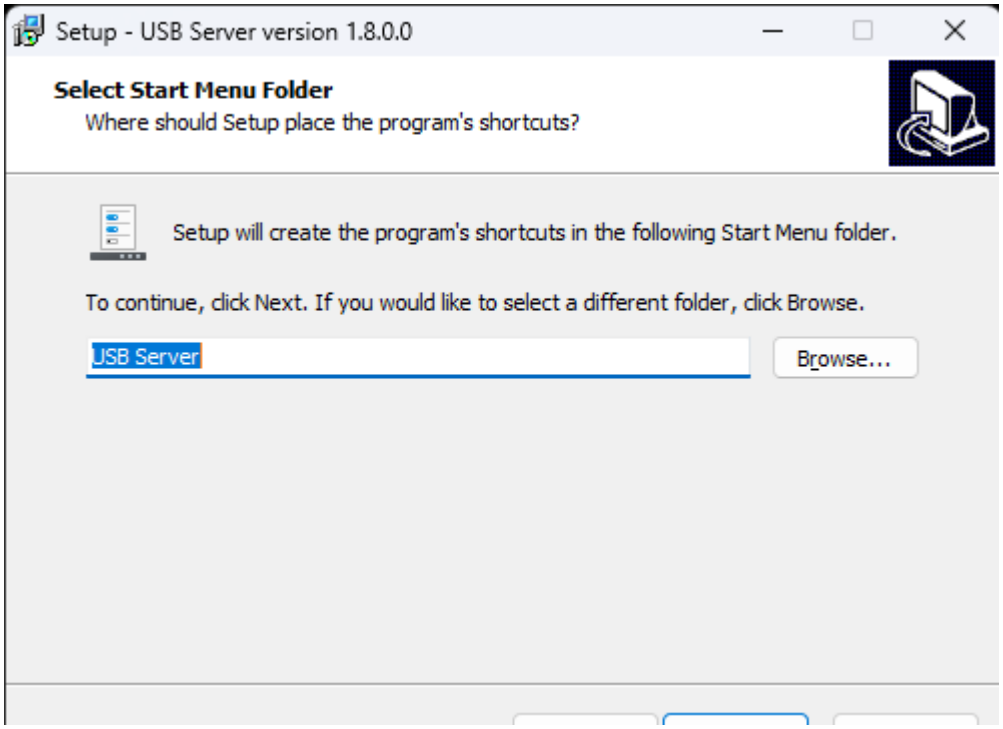
11. Open files in the CD and double click “USB_Server_Setup.exe” to install USB Device server software program.

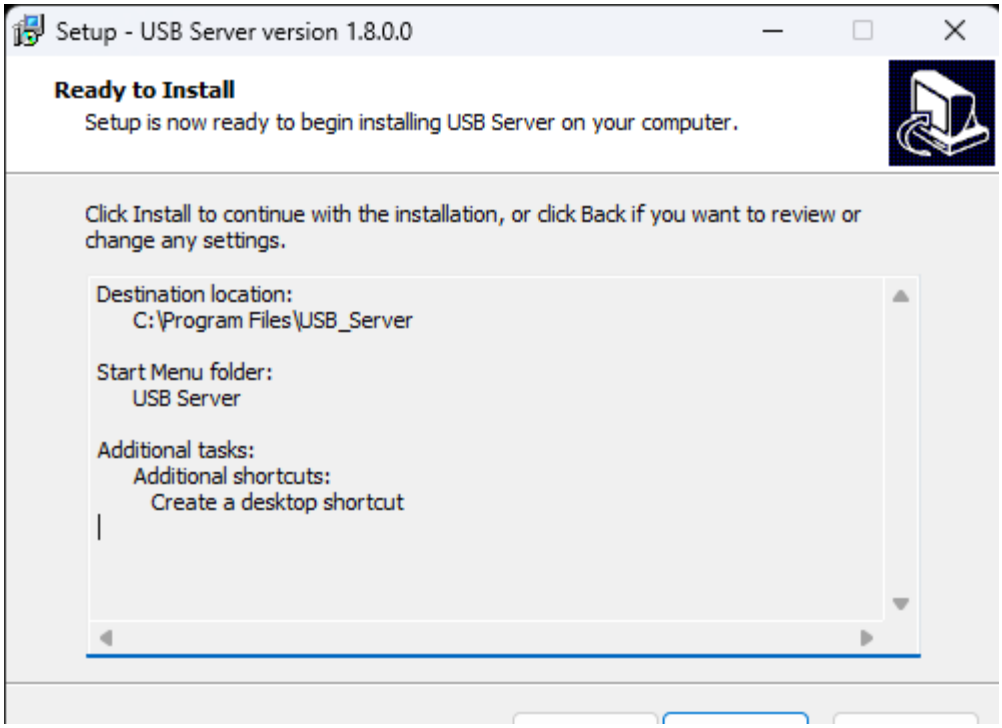
12. When the confirmation for “User Account Control” appears, click “Yes” and the “Setup - USB Device server” message appears. Click “Next” to proceed with the installation of USB Device server software program.



13. After you click “Next”, you will see following information. Click on “Next” and the “Ready to Install” message appears. Click “Install” to install USB Device server software program.

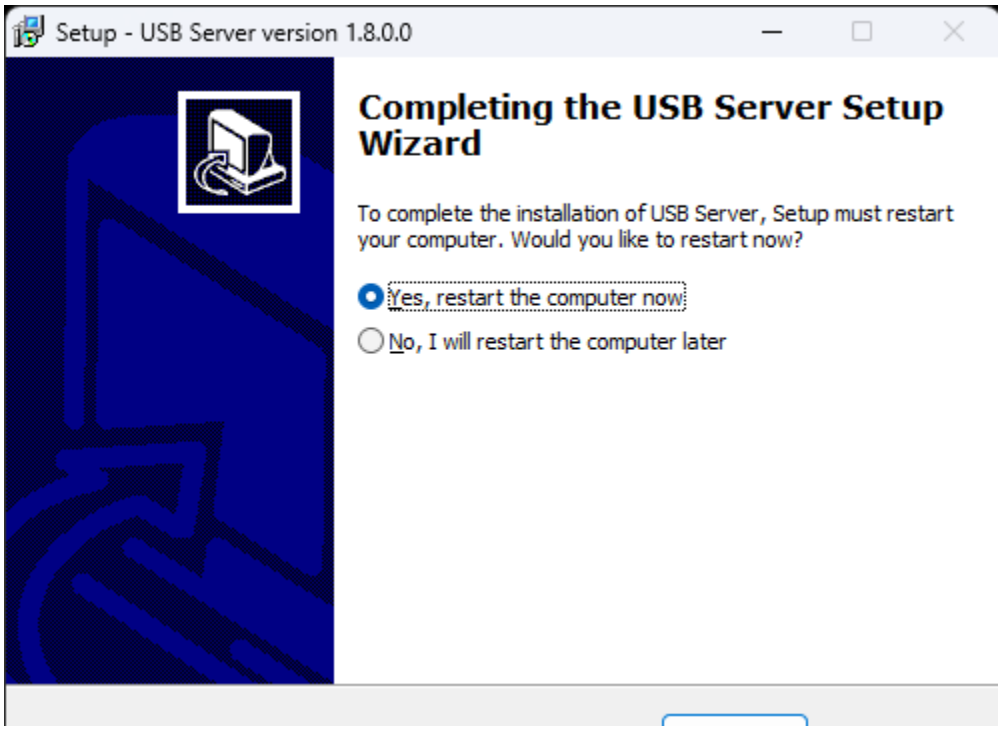

Setup - USB Server version 1.8.0.0
Select Additional Tasks
Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing USB Server, then click Next.
Additional shortcuts:
Create a desktop shortcut


Setup - USB Server version 1.8.0.0
Select Start Menu Folder
Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
USB Server
Browse...



14. After you click “Install” to install USB Device server software program, you will see the following information.

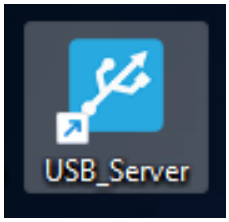
    When the message “Completing the USB Device server Setup Wizard” appears, click “Finish” to restart the computer and finish the USB Device server software program installation.



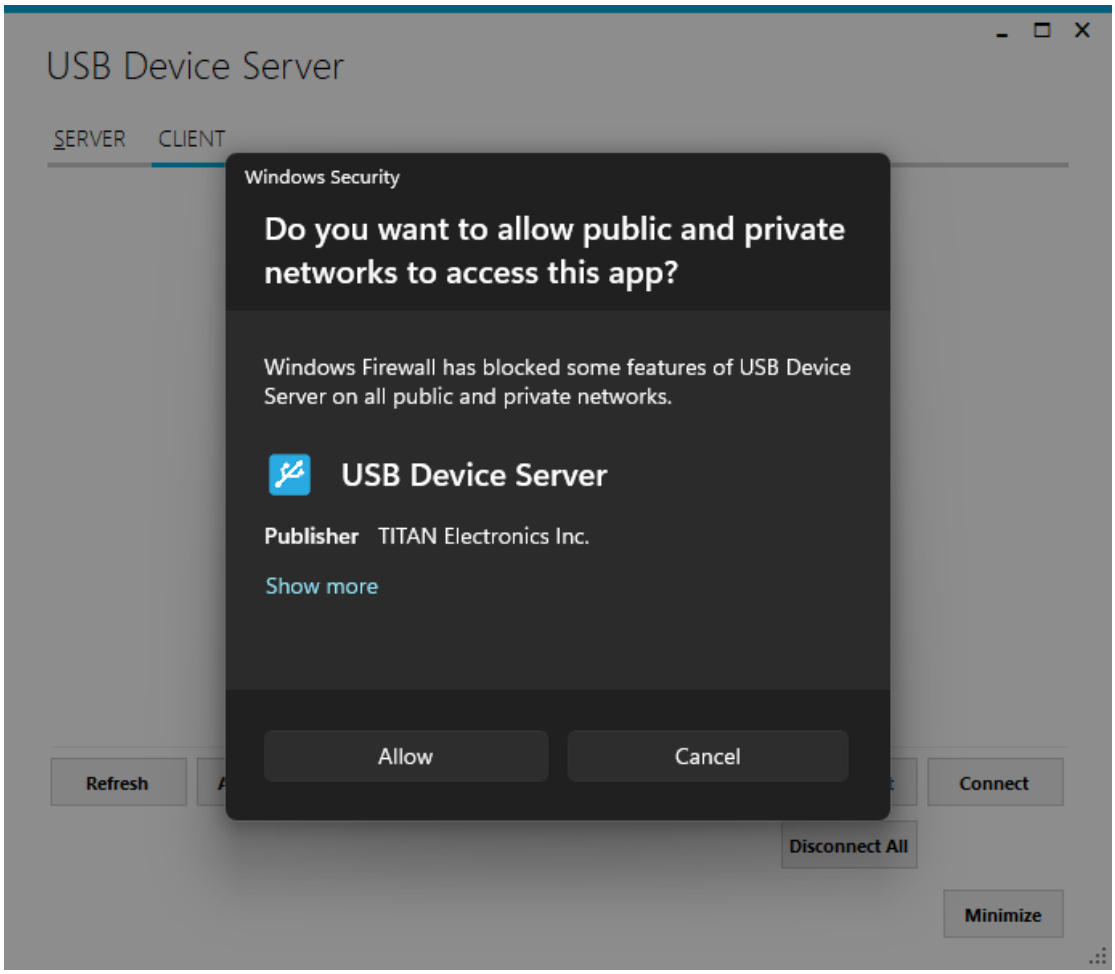
Running USB Device server Software Program in Client Computer

Please connect your client computer to a network (Internet/LAN/WAN) environment.

Double clicks the shortcut icon of “USB server” on your client computer to launch USB Device server software program.



When you start the program for the first time, your Windows OS will prompt you for Firewall access. Please make sure you unblock the software or grant it access, otherwise the program will not work correctly.

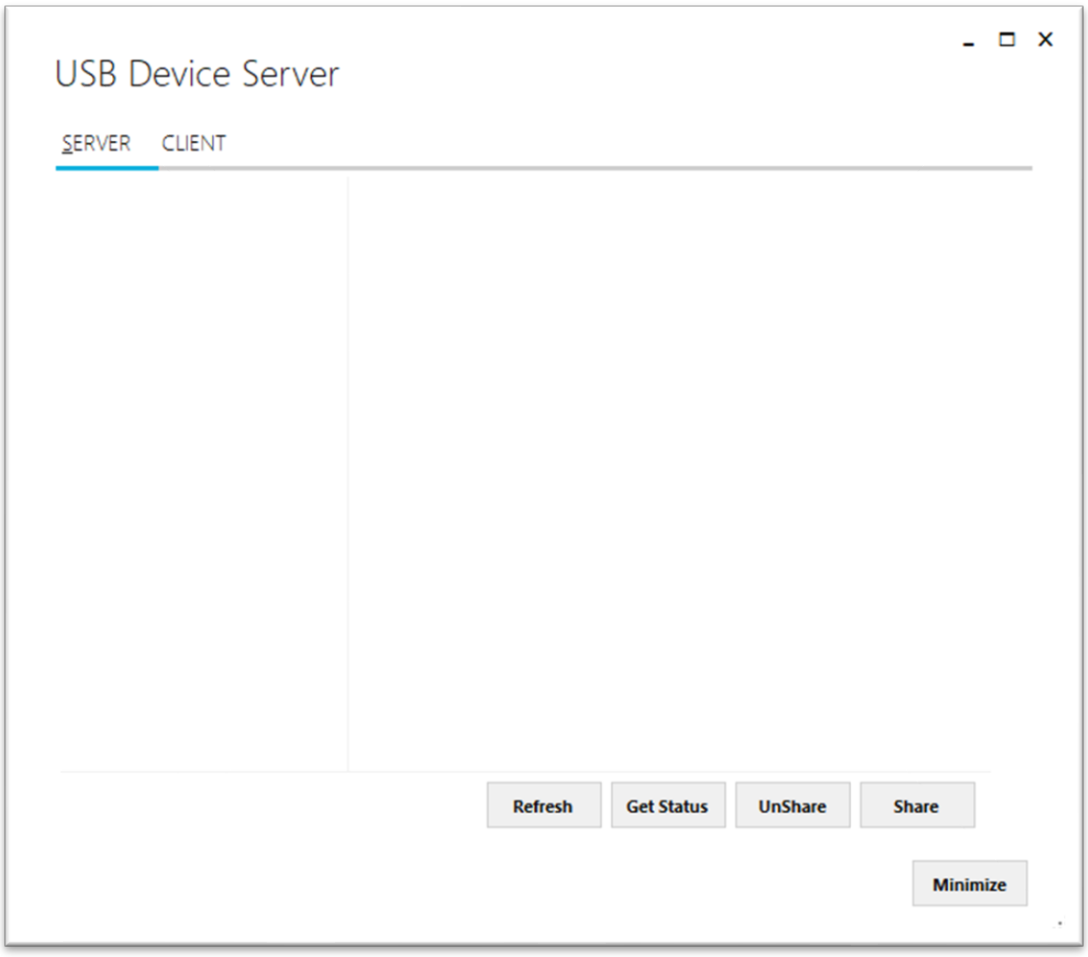


Running USB Device server Software Program in CLIENT Mode

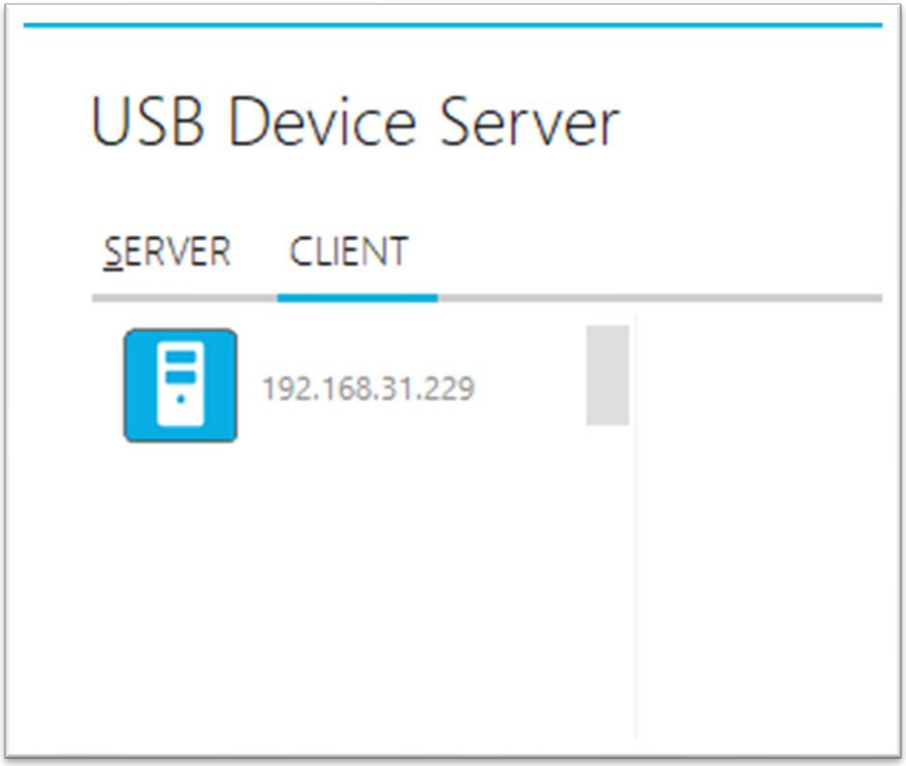
The USB Device server software program client mode can discover USB Device server installed in your local network automatically, in most cases there is no need to specify remote IP address or the hostname of the USB Device servers. Select the correct USB Device server from the list in order to connect to the remote shared USB devices.

To connect from client computer to a remote USB device shared on the USB Device server, you should first find available shared USB devices and add them into client computer. The shared USB devices are detected by USB Device server software program.

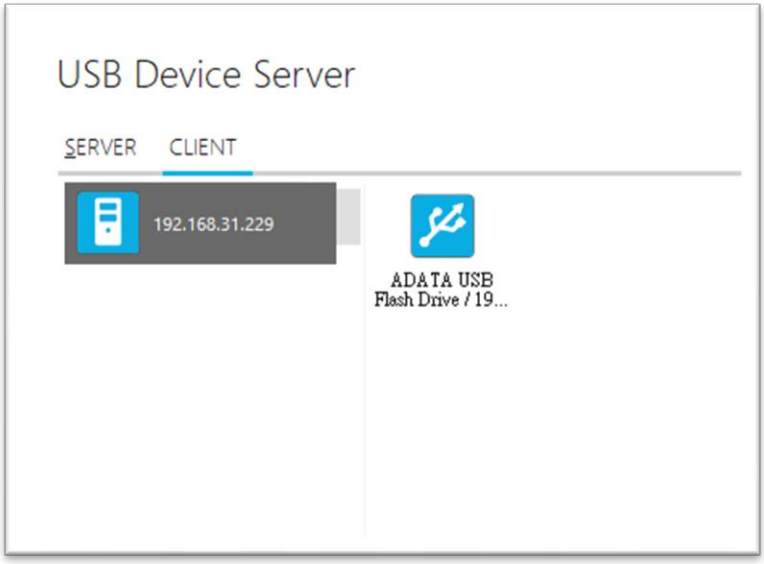
Once you have started up the USB Device server software program, you will see the main window as shown below.



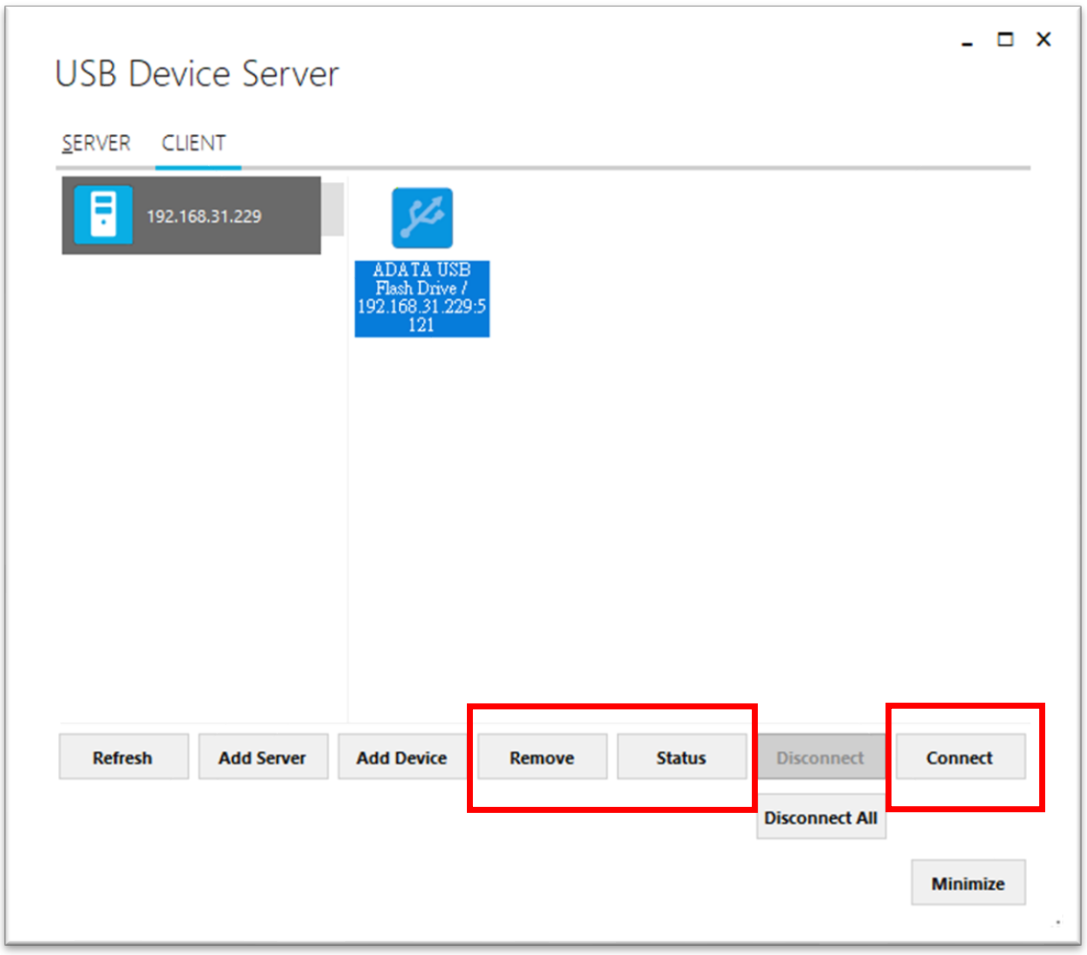
The main window consists of two toolbars (SERVER and CLIENT). Select “CLIENT” for connect to remote shared USB devices. After selecting “CLIENT” you will see all USB Device servers with their IP addresses on the left of the main window, which displays all USB Device servers discovered on the network.



Click on any USB Device server and the remote shared USB devices will be detected automatically and displayed.



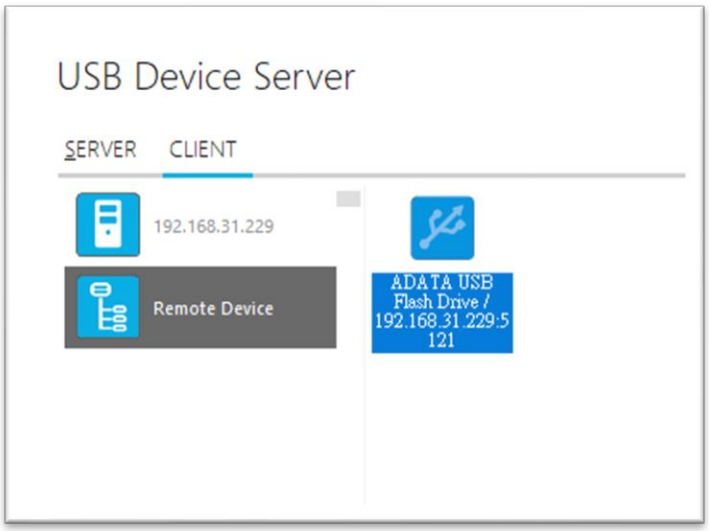
After you click any remote shared USB device shared by the USB Device server, the "**Remove",** "**Status",** "**Connect"** buttons become available.



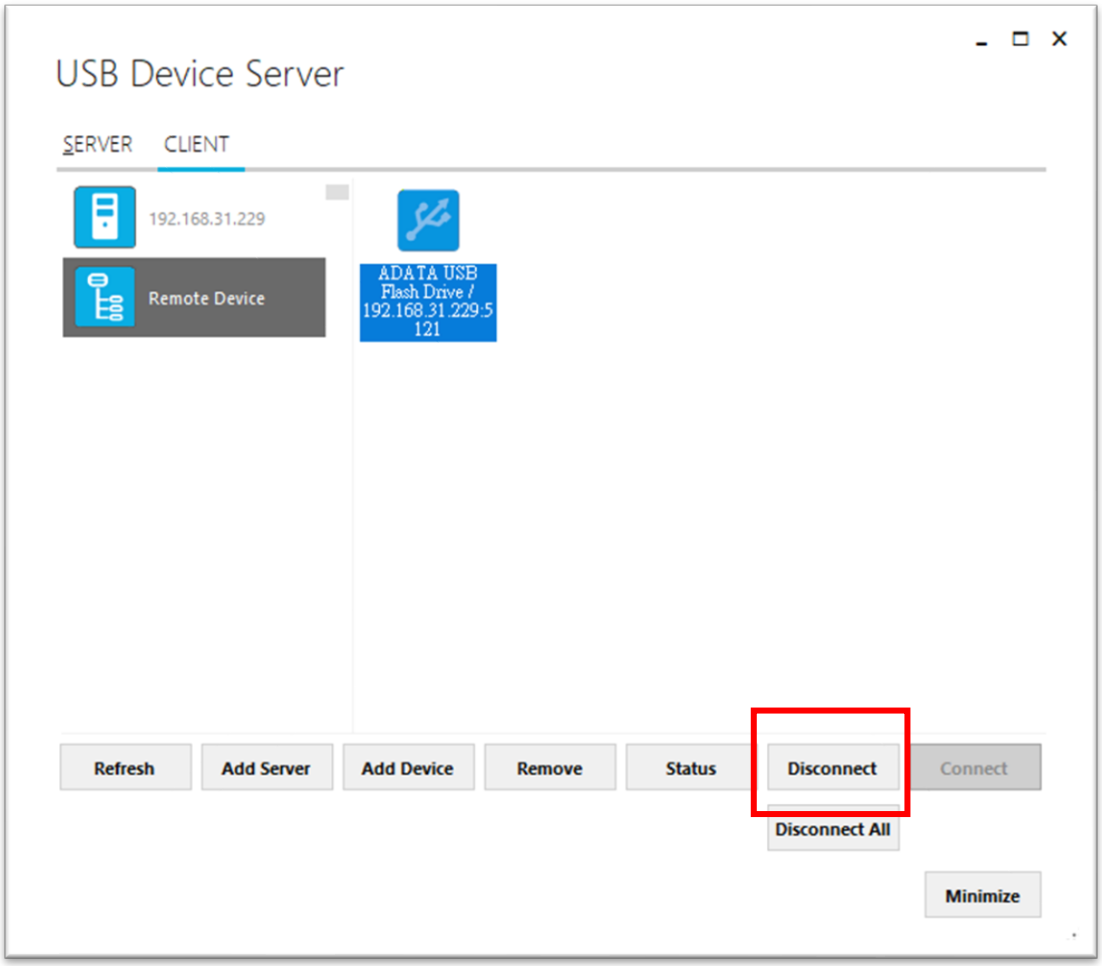
Connect Remote Shared USB Devices to your Computer

To connect the remote shared USB devices to your computer (client), click the **"Connect"** button to connect this remote shared USB device, and you will see a "Connect success!" to indicate success. This may take a while depending on the speed of your client computers, and the speed of your network. Please refrain from rapidly connecting to and disconnecting from the same device in a short period of time, as this may be a cause for communication errors. Click "Ok" to finish connecting to the remote shared USB device to your PC system(client).

After connecting to the remote shared USB device in your computer successfully, you will see a "Remote Device" on the left of the main window. Click on this "Remote Device" and you will find a duplicated remote shared USB device. The computer will install drivers for this remote shared USB device automatically. However, if your Windows OS doesn't support the driver for this remote shared USB device, you need to install it manually.



To check the remote shared USB device, please click on this remote shared USB device again. You will see that this shared USB device is connected to your computer and the “Disconnect” button is available.



Other computers in the same network will also see this remote shared USB device connected to your computer and will not be able to connect to this remote shared USB device unless you disconnect it.

Disconnect Remote Shared USB Devices from your Computer

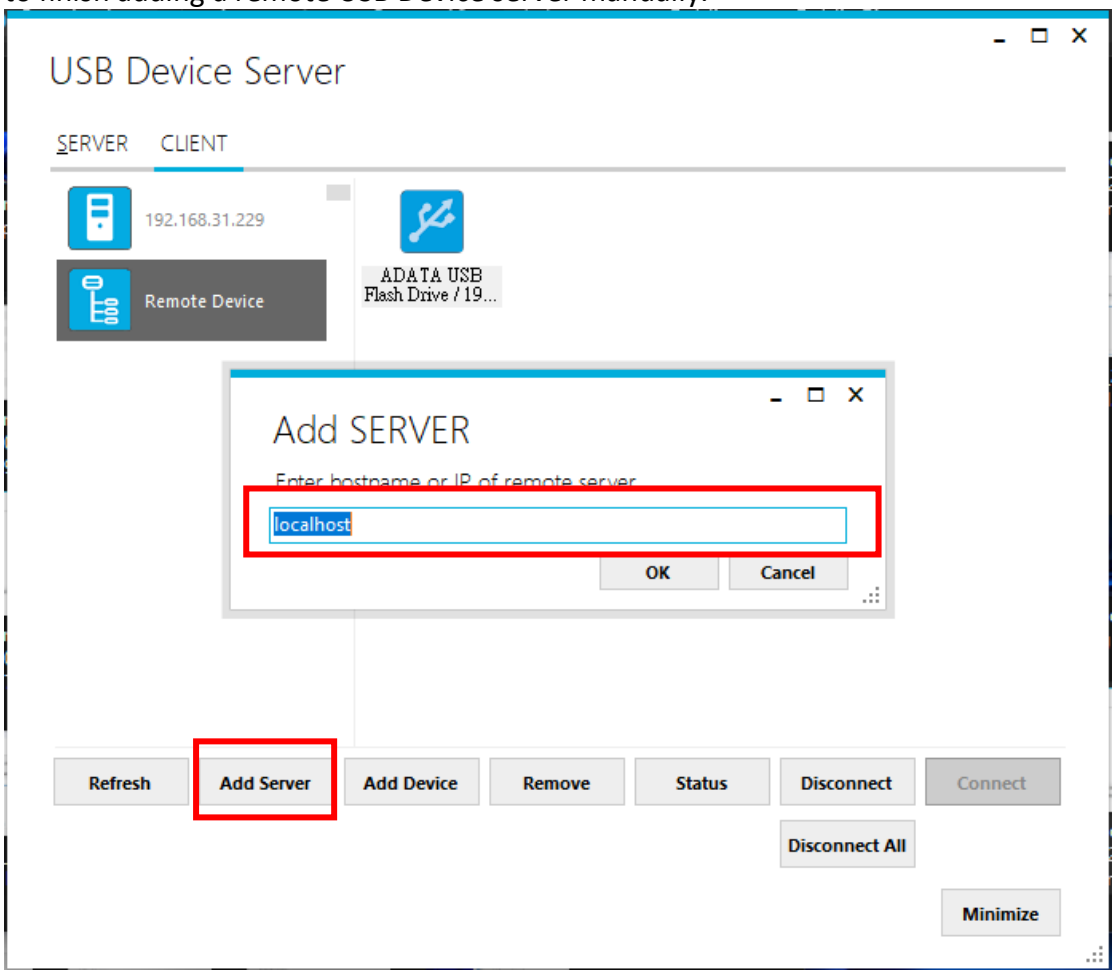
To disconnect a remote shared USB device from your computer, click the **"Disconnect"** button to disconnect this remote shared USB device from your computer, and you will see a "Disconnect success!" message to indicate success. Click "Ok" to finish disconnecting the remote shared USB devices from your computer.

Note: After the USB device disconnects from USB Device server, please wait about 2 minutes to unload the pervious driver before connecting the USB device again, otherwise the USB device will not work correctly.

Other Buttons in CLIENT Mode

“Add Server” Button

If the USB Device server is not detected automatically, for example, when USB Device server is in a different subnet, you can search for it manually. Click “Add Server” and enter host name or IP address of the USB Device server, then click “OK” to finish adding a remote USB Device server manually.

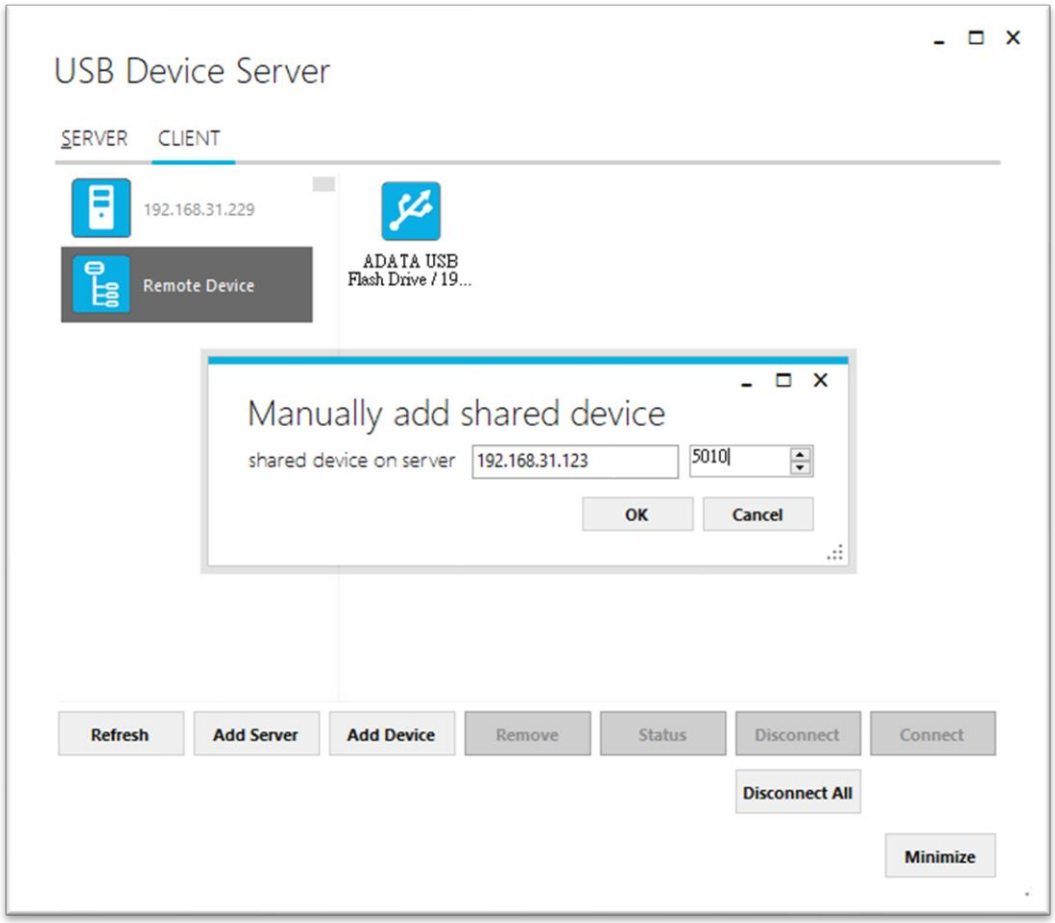


After adding a remote USB Device server manually, you will see the remote USB Device server (with IP address) added on the left of the main window.

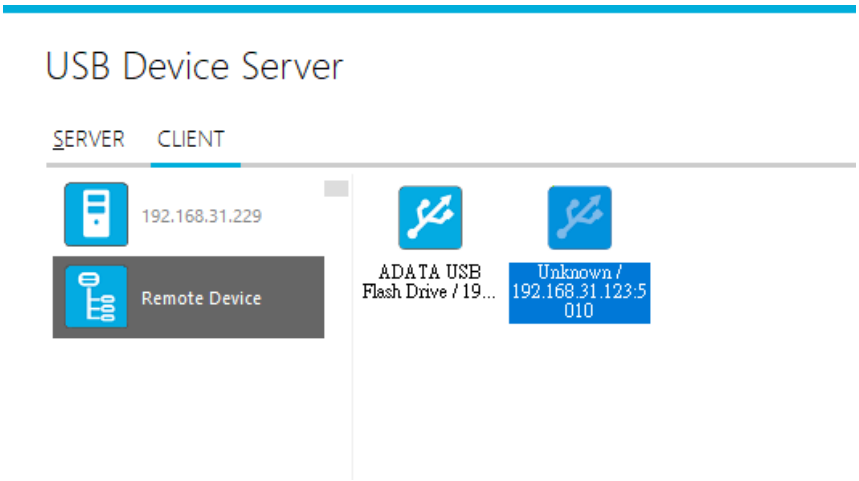
.

“Add Device” Button

You can also use the “Add Device” button, in case you know the IP address of remote USB Device server and the TCP port number, on which a USB device is shared. Click “Add Device”, enter IP address of the remote USB Device server, and the TCP port number of the remote shared USB device in “Manually add shared device”. Click “OK” to finish adding a remote shared USB device in your computer manually.

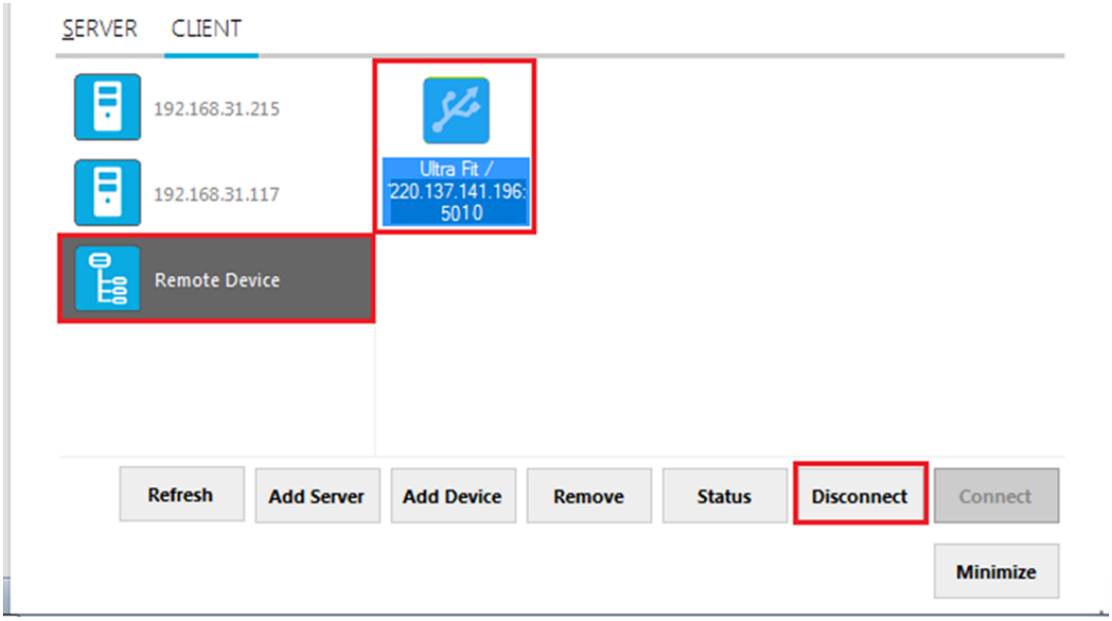


When you add a “Remote Device” manually, you will see an “Unknown” device added under “Remote Device”.



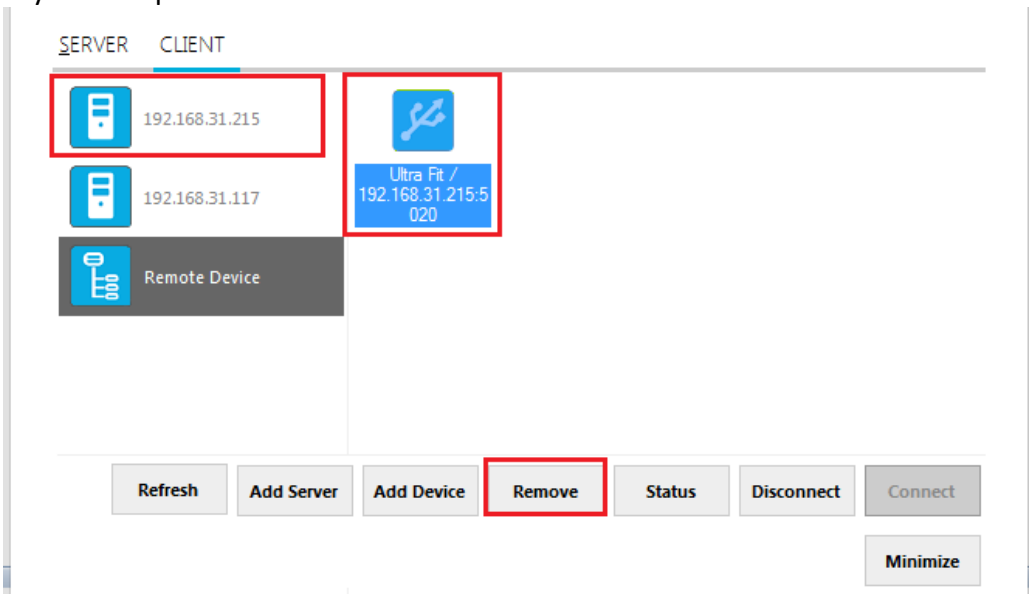
Click **"Connect"** to connect to this unknown USB device, and you will see a "Connect success!" message to indicate success. Click "Ok" to finish connecting to the "Unknown" USB device into your computer.

After connecting the "Unknown" USB device into your computer successfully, it will change to a remote shared USB device with device description, and the "Disconnect" button becomes available; the computer will install drivers for this remote shared USB device automatically. However, if your Windows OS doesn't support the driver for this remote shared USB device, you need to install it manually.



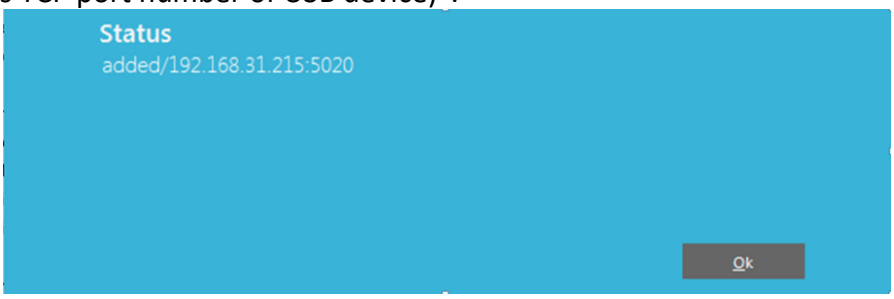
"Remove" Button

To remove an USB Device server or a remote shared USB device from your computer manually, select a USB Device server or a remote shared USB device and click "Remove". You will see the USB Device server or remote shared USB device removed from your computer.



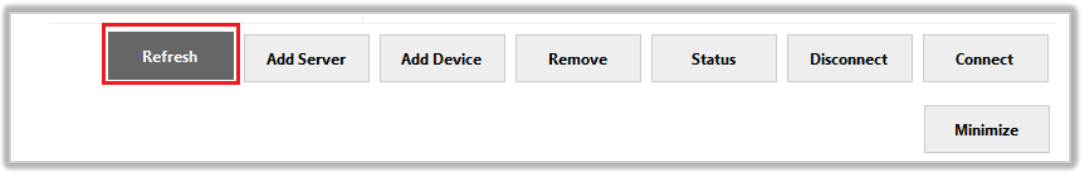
“Status” Button

Click the **“Status”** button to get the status of shared USB device. When the USB device is connected to USB Device server, the status will show “added/ 192.168.31.215:5020 (“192.168.31.215” is IP address of USB Device server and “5020” is TCP port number of USB device)”.



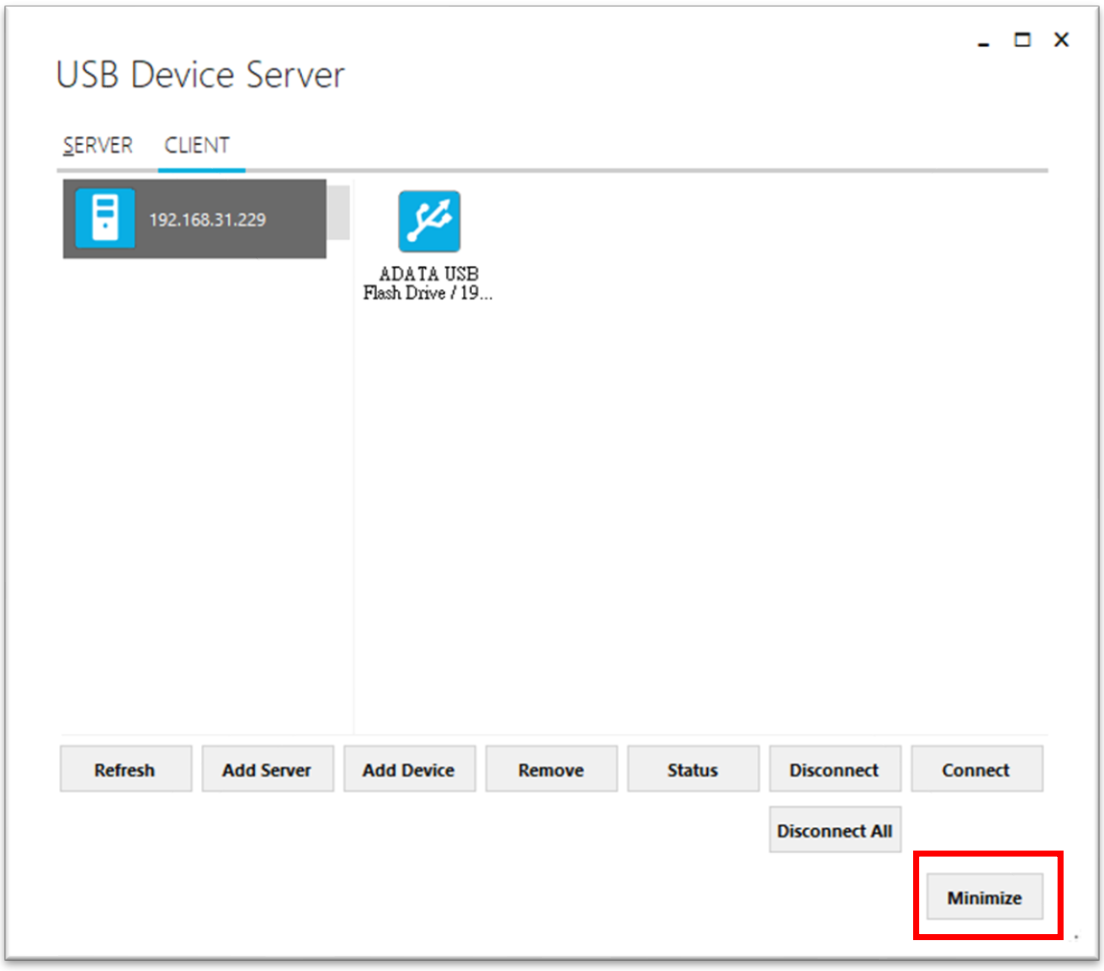
“Refresh” control button

The information on the main window of USB Device server software program may be incorrect or absent in some cases. In case this happens, you can click the “Refresh” button to reload the information for shared USB devices.

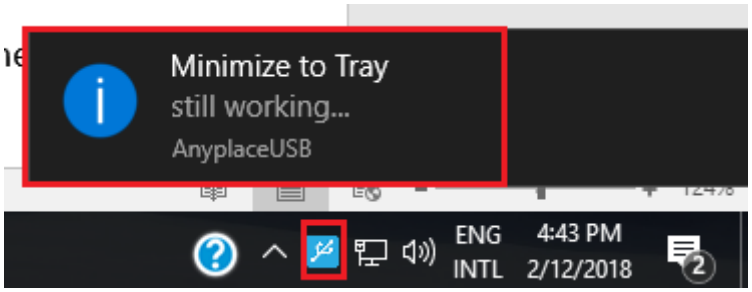


“Minimize” control button

You can click on the “Minimize” button to minimize the window of USB Device server software program to the system tray.



After clicking on “Minimize”, you will see “Minimize to Tray” message and the window of USB Device server software program will move to the system tray.



7. HOW TO SHARE USB DEVICES VIA THE INTERNET

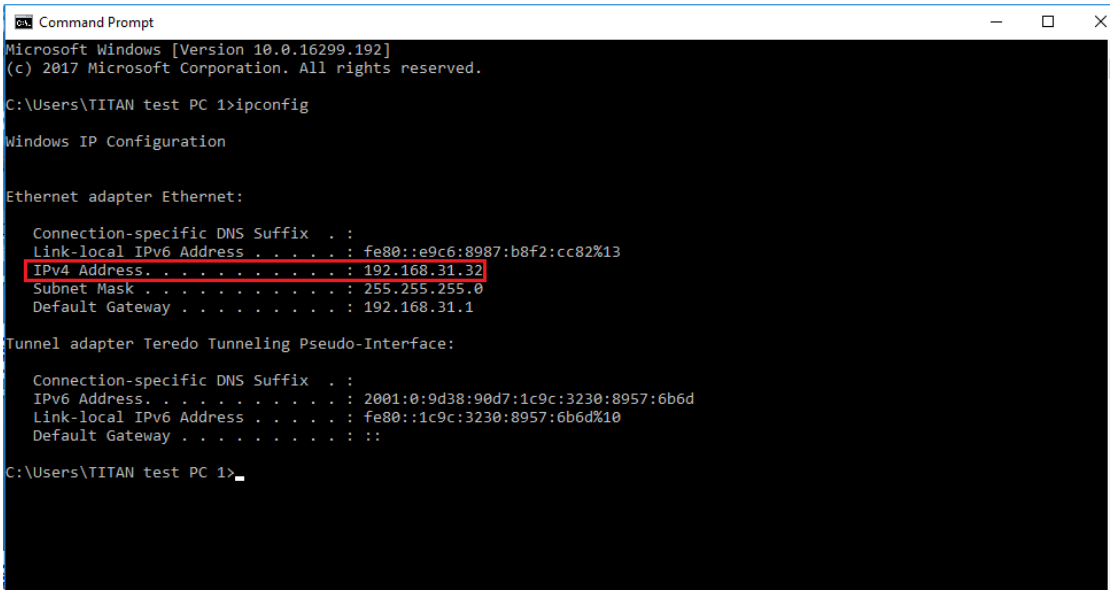
USB over Ethernet hub can share USB devices over the Internet, allowing you to use the shared USB devices anywhere in the world when connected to the Internet.

Sharing the USB Devices on Local Network First

To share a USB device via Internet, please first refer to page 15~20 and share your desired device on the local network. After sharing the USB devices on the local network, click on the shared USB device to check its TCP port number (For example, the shared USB device may show “FT231X USB UART/Shared-49666”. In this case, the number “49666” would be its TCP port number).

Checking the IP Address for Server Computer

To check the IP address of the server computer, you can execute the command “ipconfig” under “Command Prompt” for Windows OS. You can find its IP address under the section “IPv4 Address” (for example: 192.168.31.32)



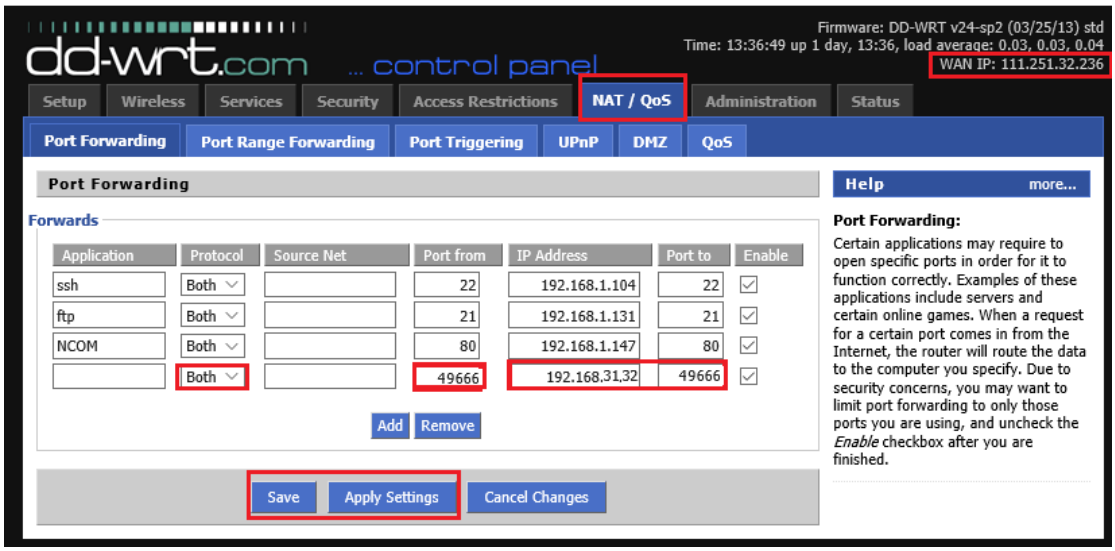
Port Forwarding to Shared USB Device

Port forwarding is a way to make a computer on your home or business network accessible to other computers on the internet, even though they are behind a router; Port forwarding needs to be set up in your router, and the method may differ depending on the brand and model of your router. Following is an example of the steps required for port forwarding:

1. Please login to your router.

2. Navigate to your router's port forwarding section by referring to its manual.

3. Create the port forward entries in your router. For example, in this case, the IP address of the server computer with the desired shared USB device is 192.168.31.32 and has a TCP port number of 49666. The router will have to be set up as shown in the figure below.



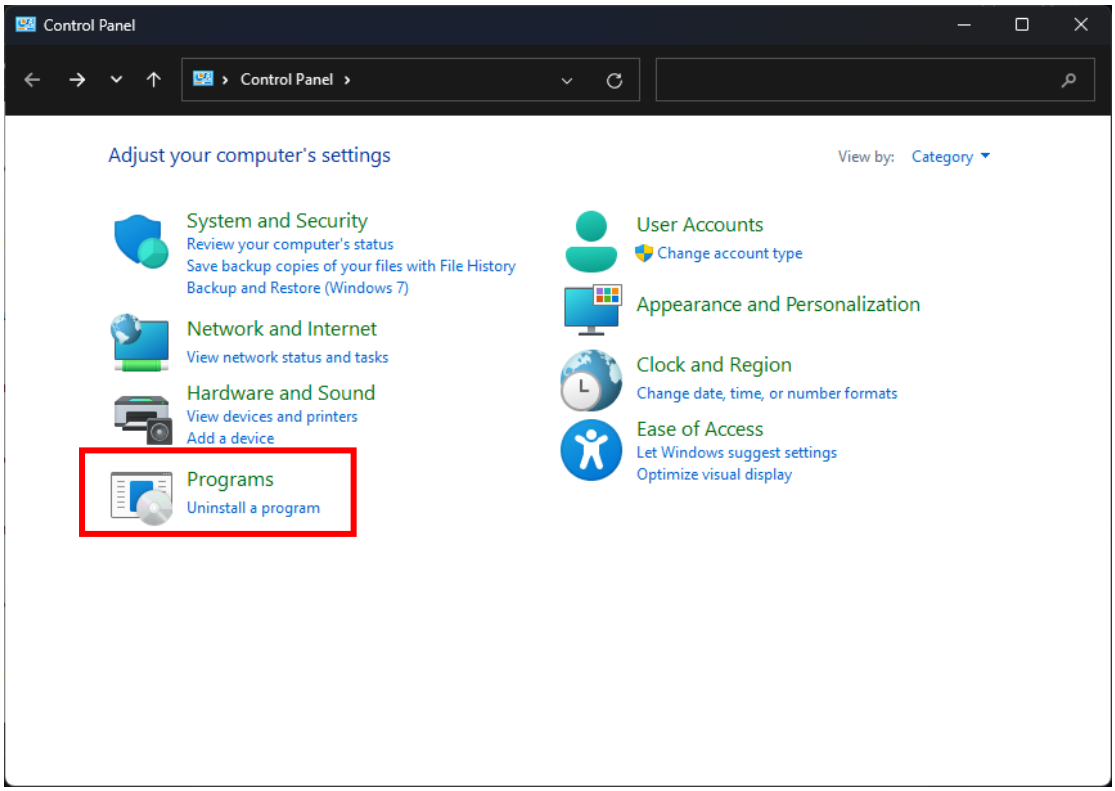
After you enter the IP address and TCP port number for port forwarding, don't forget to apply the setting and save it. You must also remember the router IP address (for example, in this case, the IP is shown on the top right corner as WAN IP: 111.251.32.236)

After port forwarding, you can use "Add Device" (refer to page 31) to test that your port forwarding rules are set up correctly. Click "Add Device" and enter the router's IP address and the TCP port number of remote shared USB device. Click "OK" to finish adding a remote shared USB device to your computer.

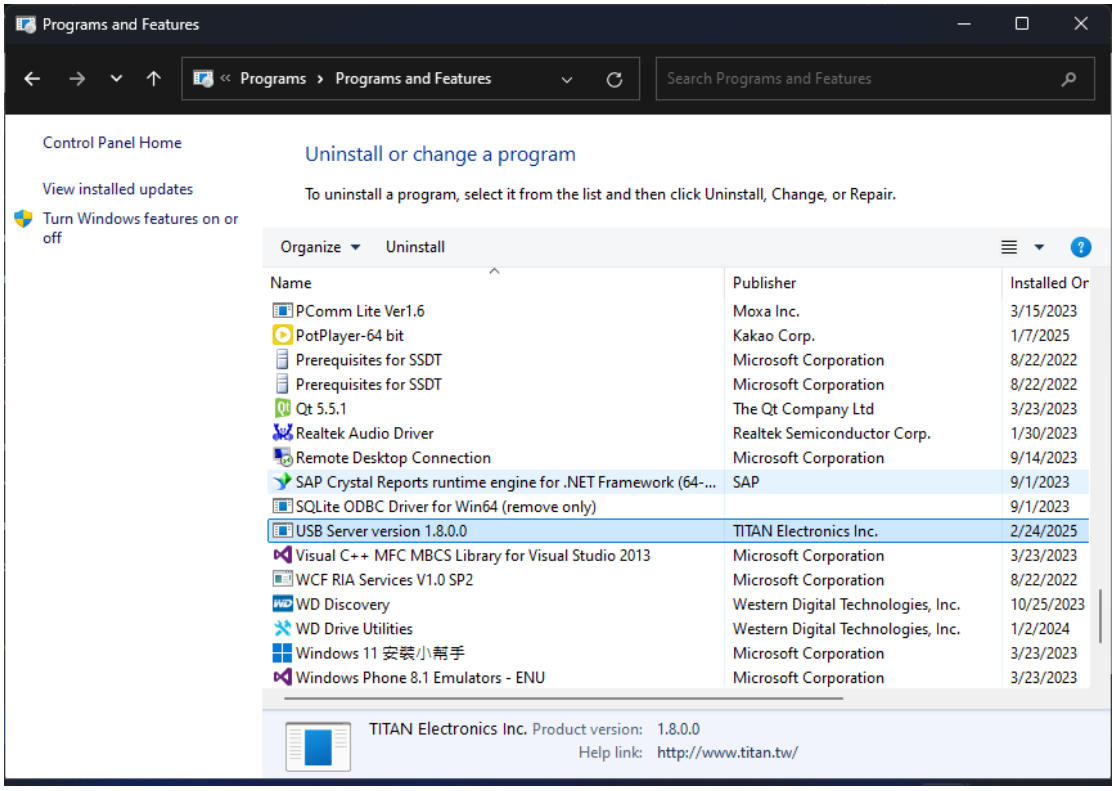
8. USB Device server SOFTWARE UNINSTALLATION

Uninstalling USB Device server Software Program

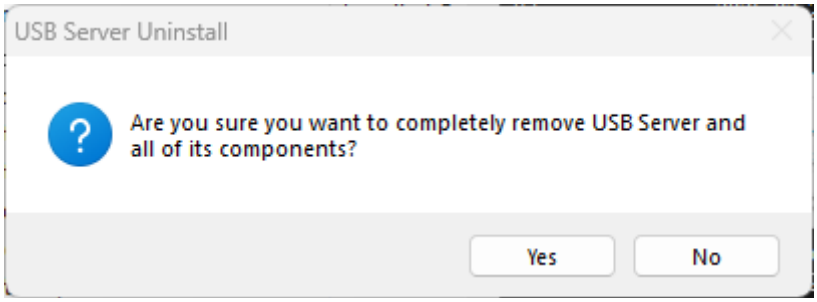
To uninstall USB Device server software program, click the "Start" button and navigate to “Control Panel”. Choose "Uninstall a program" under “Programs”.



After you click “Uninstall a program”, a list of all your installed programs will be shown. Select “USB server” and click on “Uninstall” to uninstall USB Device server software program.



When you click on “Uninstall”, a message will ask “Are you sure you want to completely remove USB Device server and all of its components?”. Confirm by clicking “Yes”.



When uninstalling USB server software program, you will find the following message.

After successfully removing USB Device server software program, a message stating that “To complete the uninstallation of USB Device server, your computer must be restarted.” will be shown.

Click on “Yes” to restart your computer to finish removing USB Device server software program.

USB CHARGING & CONNECTIVITY EXPERTS

Within Every Great Machine

For over 20 years our rugged, off-the-shelf USB hubs, chargers, and serial products are ready to go for your next project. Based in the US, Coolgear has successfully engineered and deployed millions of connectivity solutions into industrial, medical, automotive, commercial, and aerospace industries.

We understand the importance of reliability, build quality, & consider all our customers' applications as critical, wanting to ensure long-lasting event-free integrations.

Compliance Statement

View compliance within the product's respective Technical Data Sheet, found on the product's online listing.

Technical Support

When you reach out to Coolgear support, you'll find yourself in the hands of a solution-oriented and knowledgeable expert ready to answer whatever question you throw at them. If you ever need help with your product, visit coolgear.com/support for support tickets, downloads, and other support resources. For the latest drivers, please visit coolgear.com/download.

Product Standard Warranty

One (1) Year Warranty from Date of Purchase Invoice. Coolgear will repair or replace any Product determined to be defective and which has been returned, at your risk and expense, to Coolgear. Where Coolgear determines in its sole judgment that repair or replacement of such Product is not reasonable, Coolgear will keep the non-conforming Product and refund to you the amount you paid for such Product. Returned Products shall be subject to the balance of the Warranty Period otherwise applicable. Any reconditioned parts used by Coolgear shall be subject to all the same provisions as otherwise applicable to new parts. THE FOREGOING DESCRIBES COOLGEAR'S SOLE LIABILITY, AND YOUR SOLE REMEDY, FOR ANY BREACH OF WARRANTY. IF YOU DO NOT AGREE WITH THE TERMS OF THIS LIMITED WARRANTY, YOU MUST RETURN THE PRODUCTS UNUSED AND IN THEIR ORIGINAL CONTAINERS TO YOUR ORIGIN OF PURCHASE.

Limitation of Liability

This Limited Warranty does not cover: (i) defects or damages resulting from natural causes, casualty, accident, misuse or abuse, neglect, alterations, service or repair by other than Coolgear, including without limitation by you; (ii) improper installation or de-installation, operation or maintenance, improper connections with peripherals or other causes not arising out of defects in the materials or workmanship of Products; (iii) any Product for which the warranty sticker has been removed, modified or defaced; (iv) normal wear and tear; (v) damage to or loss of repaired or replaced Products during shipping by Coolgear except when such damage or loss is caused by poor or inadequate packaging by Coolgear; or (vi) Products purchased outside the United States. UNDER NO CIRCUMSTANCES WILL COOLGEAR BE LIABLE FOR ANY LOSS OF USE, INTERRUPTION OF BUSINESS OR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY KIND (INCLUDING LOST PROFITS) REGARDLESS OF THE FORM OF ACTION WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT PRODUCT LIABILITY OR OTHERWISE, EVEN IF COOLGEAR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL THE TOTAL LIABILITY OF COOLGEAR HEREUNDER EXCEED THE GREATER OF $50.00 OR THE AMOUNT YOU ACTUALLY PAID FOR THE PRODUCT GIVING RISE TO SUCH LIABILITY, REGARDLESS OF THE CAUSE OF ACTION, IN CONTRACT, TORT, STRICT LIABILITY OR OTHERWISE. NOT ALL JURISDICTIONS ALLOW SUCH LIMITATIONS OF DAMAGES SO THE FOREGOING LIMITATIONS MAY NOT APPLY TO YOU.