



8 Port USB 2.0 Over IP Network Device Server Hub w/ Type-C & Type-A Ports

Model Number: *US-S4PLUS*

Product Manual

Coolgear, Inc.

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INTRODUCTION

The US-S4PLUS is a network-enabled USB Device Server that connects up to eight USB devices over a 10/100 Mbps Ethernet network using TCP/IP. It features USB 2.0 compatibility with four USB-A and four USB-C connectors, allowing concurrent use of up to four devices. By integrating this USB over Ethernet Device Server into your LAN, USB devices become accessible to remote clients without needing a local host PC, extending beyond the traditional 5-meter USB cable limit.

Coolgear's US-S4PLUS facilitates flexible connectivity for USB-A and USB-C devices, supporting up to eight devices with concurrent usage of four. This 8-port USB server enables sharing across Ethernet, WAN, VLAN, VPN, and the Internet, allowing remote access from anywhere worldwide. Unlike typical USB over IP servers limited to local networks, the US-S4PLUS supports USB port sharing across different networks and ensures secure connections with password authentication, traffic encryption for data security, and data compression for accelerated transfer speeds.

The USB Device Server software, compatible with Windows (11, 10, 8.1, 8, 7, Vista, XP, ME, 2000), Windows Server (2022, 2019, 2016), Mac OS X, and Linux, simplifies installation with a user-friendly interface that requires no complex network configurations. Authorized users can effortlessly connect to and utilize shared USB devices from any location, ensuring seamless remote connectivity.

FEATURES

- Supports wide variety of USB devices
- Compatible with bulk, interrupt and isochronous type USB devices
- Provides plug-and-play functionality similar to an on-board USB port
- Empowers USB ports with USB device networking and sharing functionality
- Allows USB devices to be accessed and shared by multiple client computers over network 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, 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
- functionality
- Shares your USB devices over a network automatically
- 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 Server app client
- Able to share USB security software protection dongles conveniently using features of USB Device Server software program
- Multiple transaction translator (TT) architecture to each USB downstream (DS) port
- LEDs for power, Ethernet and USB status indication
- Includes a DC 12V 1.5A switching power adapter
- Power supply with latch locking to the device preventing from accidental disconnection

SPECIFICATIONS

The tables below show the hardware specifications of the US-S4PLUS :

| Function | | Specification |
|---------------------------|----------------------|---|
| Ports | USB Downstream | Eight (4 USB 2.0 type-A and 4 type-C) |
| | Ethernet | One (10/100Mbps) |
| LEDs | Power | One (Power on) |
| | Ethernet Port Status | Two (Link and Speed) |
| Power Mode | | Self-power mode |
| Output Voltage (per port) | | +5VDC |
| Output Current (per port) | | 500mA 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 | | 110g |
| Dimensions | | 106mm × 97mm × 32mm (L × W × H) |
| Input Power Range | | 12V DC |
| Utility | | USB Device Server software |

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

INSTALLATION

Note: The default configuration for the US-S4PLUS USB server device is **DHCP** enabled. If the USB server device is not able to get an IP address from a DHCP server, it will use the **IP address 192.168.254.254** and the **subnet mask 255.255.255.0**.

Step 1 - Connect the US-S4PLUS USB server device to your network

First, connect an Ethernet cable to the Ethernet port of the US-S4PLUS USB server device.

Once the Ethernet cable is connected, connect the other end of the cable to your network. This can be an available Ethernet port on your DSL router, Ethernet hub/switch, or 802.11n router/base station.

If you do not have a network, you can connect the USB server device directly to your computer's Ethernet port using a static IP address.

Step 2 - Connect the USB server device's power supply/Read the LEDs

Connect the included power supply to the USB server device's power connector.

Once the USB server device is powered, the green "SPEED" Ethernet status LED and the yellow "LINK" Ethernet status LED on the USB server device will light up. After a few seconds, the red "PWR" LED will light if the USB server device is working properly and has booted correctly.

Step 3 - Connect the USB devices to US-S4PLUS

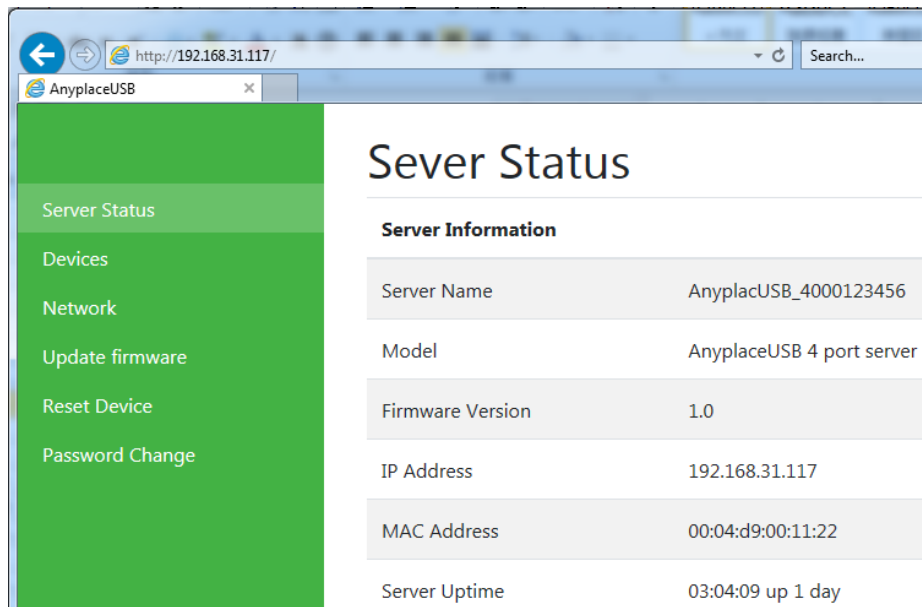
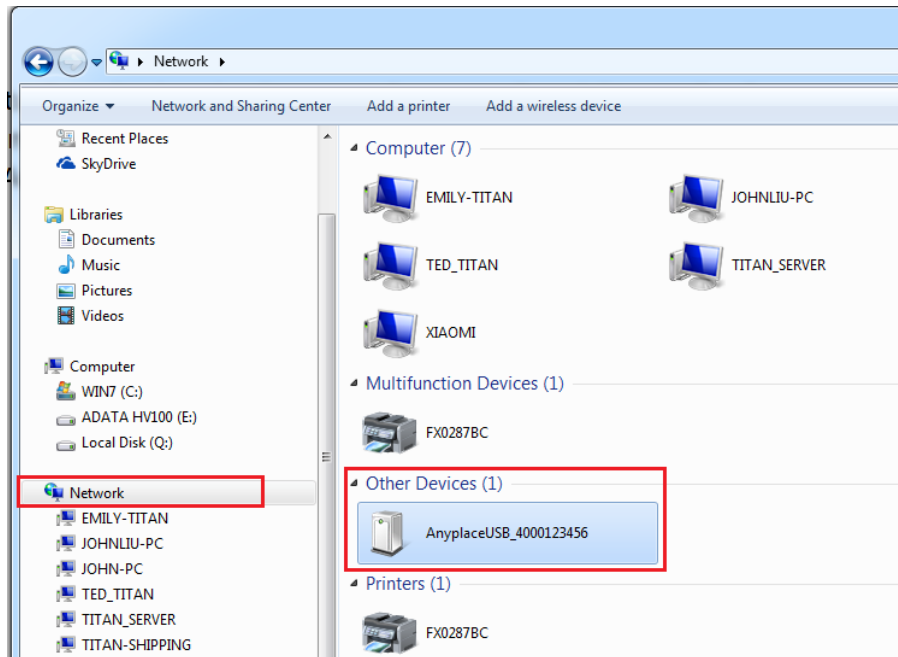
Connect your USB devices to the USB ports on the US-S4PLUS.

The hardware installation of the US-S4PLUS USB server device is now complete. Users can enter the web console interface to configure the USB server device, please open any web browser and enter US-S4PLUS 's IP address in the address bar to access the "HOME" page of US-S4PLUS 's firmware.

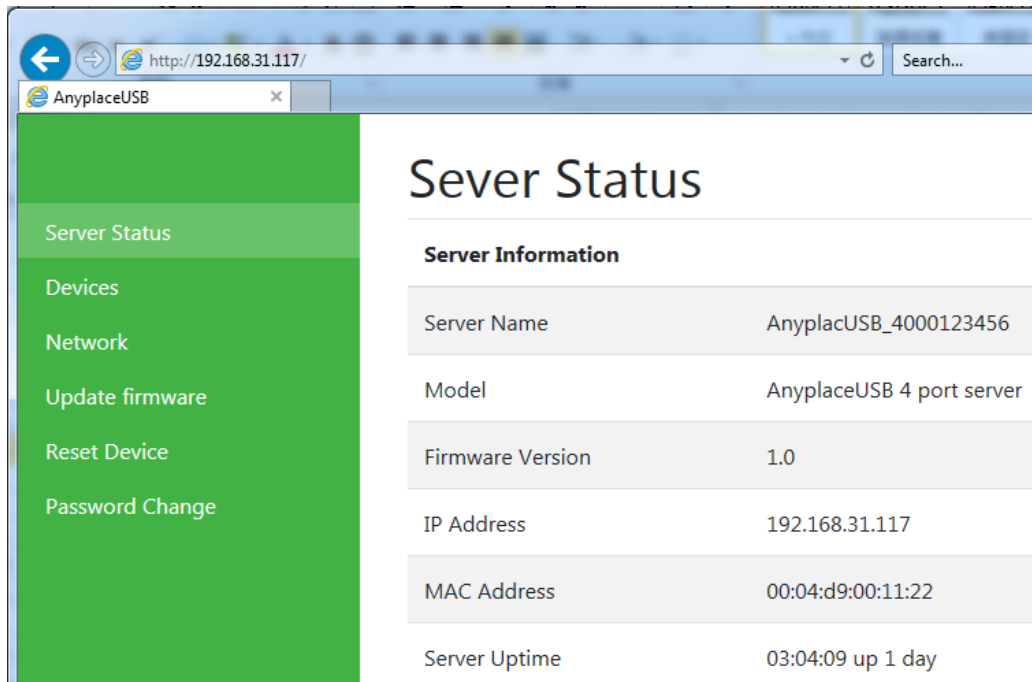
WEB CONSOLE CONFIGURATION INTERFACE

Open the Web Console Configuration Interface for USB Server Device

To open the web console configuration Interface of the USB server device, you go into "Network" in Windows OS. You can find the USB server device (USB Device Server_4000123456) under "Other Devices"; please click this USB server device ("USB Device Server_4000123456") to display the web console configuration Interface.



The web console interface allows configuration of US-S4PLUS . These settings include “Server Status”, “Device”, “Network”, “Update Firmware”, “Reset Devices” and “Password Change”.



Server Status

Click “Server Status” to display the “Server Information” and “Device” information; the “Server Information” include “Server Name”, “Model”, “Firmware Version”, “IP Address”, “MAC Address” and “Server Uptime” information.

Sever Status

| Server Information | |
|--------------------|---------------------------|
| Server Name | AnyplacUSB_4000123456 |
| Model | AnyplaceUSB 4 port server |
| Firmware Version | 1.0 |
| IP Address | 192.168.31.117 |
| MAC Address | 00:04:d9:00:11:22 |
| Server Uptime | 03:33:21 up 1 day |

The “Device” information displays current USB port status and connected USB devices information(Device 1 Information ~ Device 4 Information), it include “Device Name” and “Status”, the “Device Name” displays current connected USB device and the “Status” displays this USB device is waiting for share or shared by client computer.

| Device | |
|-----------------------------|------------|
| Device 1 Information | |
| Device Name | No Device |
| Status | - |
| Device 2 Information | |
| Device Name | No Device |
| Status | - |
| Device 3 Information | |
| Device Name | No Device |
| Status | - |
| Device 4 Information | |
| Device Name | Hard Drive |
| Status | Waiting... |

| Device | |
|-----------------------------|--------------------------|
| Device 1 Information | |
| Device Name | No Device |
| Status | - |
| Device 2 Information | |
| Device Name | No Device |
| Status | - |
| Device 3 Information | |
| Device Name | No Device |
| Status | - |
| Device 4 Information | |
| Device Name | Hard Drive |
| Status | Connect to 192.168.31.86 |

Device

Click “Device” to setting USB devices for your US-S4PLUS USB server device, after you click “Device” , you will find “Windows Security” message, the user needs to key-in user name and password then click “OK” to into “Devices Settings” control panel, it displays current USB port status and connected USB devices information, user also can setting the USB devices. The default user name and password of USB server device are “**admin**” (the default user name and password are same).

The screenshot displays the 'Sever Status' web interface. On the left is a green sidebar with navigation options: 'Server Status', 'Devices' (highlighted with a red box), 'Network', 'Update firmware', 'Reset Device', and 'Password Change'. The main content area is titled 'Sever Status' and contains a 'Server Information' section with the following details:

| | |
|------------------|-----------------------|
| Server Name | AnyplacUSB_4000123456 |
| Model | |
| Firmware Version | |
| IP Address | |
| MAC Address | |
| Server Uptime | |

Below the server information is a 'Device' section with 'Device 1 Information'.

Overlaid on the interface is a 'Windows Security' dialog box. The dialog title is 'Windows Security' and the content reads: 'iexplore The server 192.168.31.117 is asking for your user name and password. The server reports that it is from Login.' The dialog features two input fields: the first contains 'admin' and the second contains masked characters '.....'. A 'Remember my credentials' checkbox is present and unchecked. 'OK' and 'Cancel' buttons are at the bottom right of the dialog.

Devices Settings

The “Devices Settings” for US-S4PLUS USB server device includes the USB port status, connected USB devices control panel and information(Device 1 Information ~ Device 4 Information).

Devices Settings

Device 1 Information

| | |
|---|---|
| Device Additional Information | Vendor ID : 0x125f Product ID : 0xa42a Product : HV100 Manufacturer : ADATA Serial : 47A03396219D |
| Network option | <input type="checkbox"/> Compression <input type="checkbox"/> Encryption |
| <input type="checkbox"/> Enable authorization | Password: <input type="text"/> |
| Description | <input type="text"/> |
| Connect to 192.168.31.135 | <input type="button" value="Disconnect"/> <input type="button" value="Update"/> |

Device 2 Information

| | |
|---|--|
| Device Additional Information | Vendor ID : 0x120d Product ID : 0x0566 Product : Fujitsu HDD Manufacturer : Fujitsu HDD Serial : 2017052600D0D |
| Network option | <input type="checkbox"/> Compression <input type="checkbox"/> Encryption |
| <input type="checkbox"/> Enable authorization | Password: <input type="text"/> |
| Description | <input type="text"/> |
| Connect to 192.168.31.135 | <input type="button" value="Disconnect"/> <input type="button" value="Update"/> |

Device 3 Information

| | |
|---|---|
| Device Additional Information | Vendor ID : 0x0bc2 Product ID : 0xab26 Product : BUP Slim SL Manufacturer : Seagate Serial : NA9LHT4E |
| Network option | <input type="checkbox"/> Compression <input type="checkbox"/> Encryption |
| <input type="checkbox"/> Enable authorization | Password: <input type="text"/> |
| Description | <input type="text"/> |
| Connect to 192.168.31.135 | <input type="button" value="Disconnect"/> <input type="button" value="Update"/> |

Device 4 Information

| | |
|---|---|
| Device Additional Information | Vendor ID : 0x054c Product ID : 0x0b7d Product : Hard Drive Manufacturer : Sony Serial : 46C28616202F |
| Network option | <input type="checkbox"/> Compression <input type="checkbox"/> Encryption |
| <input type="checkbox"/> Enable authorization | Password: <input type="text"/> |
| Description | <input type="text"/> |
| Connect to 192.168.31.135 | <input type="button" value="Disconnect"/> <input type="button" value="Update"/> |

Under “Device Settings” main windows, you can find four “Device x Information” (Device 1 Information ~ Device 4 Information), Each “Device x Information” show the USB port status, it includes USB device does not connect, USB device waiting for connect, USB device shared for client computer .

USB device does not connect.

When the USB device is not connected to US-S4PLUS USB server device, the “Device x Information” show “Device is not connected” message.

USB device waiting for connect.

When the USB device connect to US-S4PLUS , the USB device will be waiting for connect over a network automatically; the “Device x Information” will show following message :

Devices Settings

Device 1 Information

Device Additional Information

Vendor ID : 0x0781
Product ID : 0x5583
Product : Ultra Fit
Manufacturer : SanDisk
Serial : 4C531001550107104314

Network option Compression Encryption

Enable authorization Password:

Description

When the USB device connect to US-S4PLUS successfully, the “Device x Information” will show “Device Additional Information”, “Network option” for network traffic compression and encryption option box, “Enable authorization” option, “Password” setting option, “Description” setting option and “Update” control button.

USB device shared for client computer.

After the USB device connect to US-S4PLUS and the remote client computer connect to this USB device over network successfully; the “Device x Information” will show following message:

Device 1 Information

| | |
|---|---|
| Device Additional Information | Vendor ID : 0x125f Product ID : 0xa42a Product : HV100 Manufacturer : ADATA Serial : 47A03396219D |
| Network option | <input type="checkbox"/> Compression <input type="checkbox"/> Encryption |
| <input type="checkbox"/> Enable authorization | Password: <input type="text"/> |
| Description | <input type="text"/> |
| Connect to 192.168.31.135 <input type="button" value="Disconnect"/> | <input type="button" value="Update"/> |

When the shared USB device of US-S4PLUS connect to remote client computer successfully, the “Device x Information” will show “Connect to xxx.xxx.xxx.xxx” and a “Disconnect” control button on the bottom left under “Device x Information” message , the “xxx.xxx.xxx.xxx” is IP address of remote client computer.

USB devices settings

Form “Device x Information”, you can set some options for USB devices manually, under “Network option”, you can 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.

| | |
|----------------|--|
| Network option | <input type="checkbox"/> Compression <input type="checkbox"/> Encryption |
|----------------|--|

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.

Enable authorization Password:

Tick the “Enable authorization” box and enter your desired “Password” for the password setting. After password setting, 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 add a description for your shared USB device, the client computer will be able to see the description next to the USB device.

Description

After finishing all option settings for your shared USB device and clicking “Update”, control button , you will see the “Update Device Settings...” message. Click “Ok” to finish the USB device sharing setup. After clicking “Ok”, the USB Device Server software program will be restarted.

Description

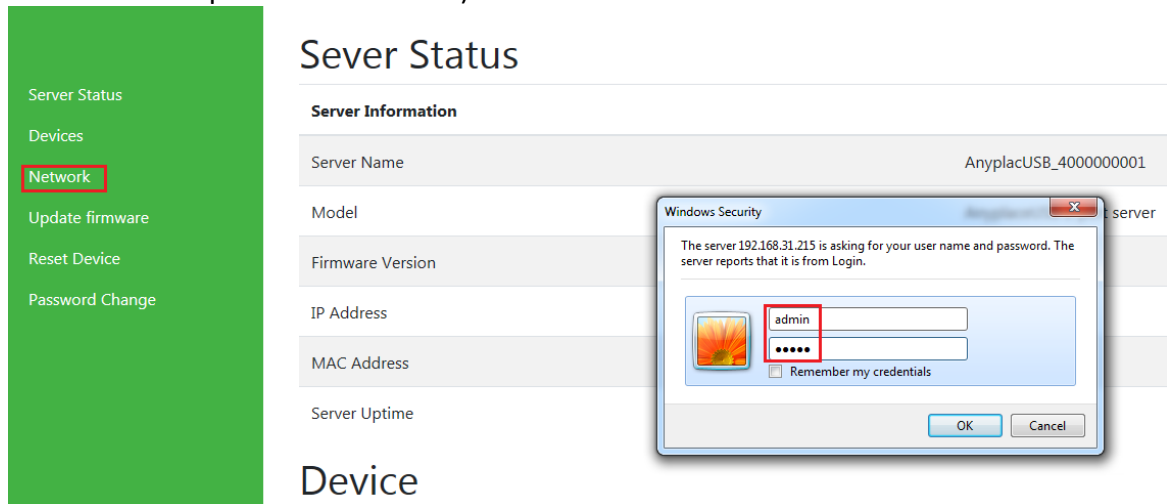
Disconnect shared USB device manual option.

The shared USB devices on US-S4PLUS connect to remote client computer successfully, the “ Device x Information ” show “Connect to xxx.xxx.xxx.xxx” and a “Disconnect” control button on the bottom left of “Device x Information” message; Click “Disconnect” control button to disconnect shared USB devices for your US-S4PLUS USB server device manually, after you click “Disconnect” , you will find “Update Device Settings...” message and the shared USB device will be disconnect from remote client computer.

Network

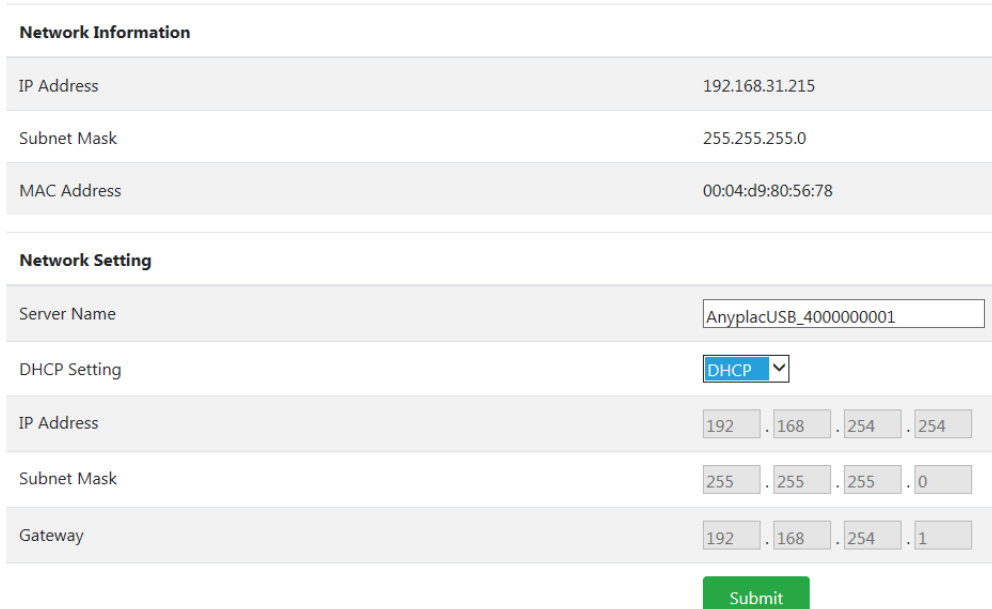
Under the web console interface, select “Network” to setting network for your US-S4PLUS USB server device, after you click “Network” , if you find “Windows Security” message, you needs to key-in user name and password then click “OK” to into “Network Setting” control panel, you can see the important information about network of US-S4PLUS USB server device, user also can setting network for the USB server device.

The default user name and password of USB server device are “**admin**” (the default user name and password are same).



The screenshot shows the 'Sever Status' page with a sidebar on the left containing options: Server Status, Devices, Network (highlighted with a red box), Update firmware, Reset Device, and Password Change. The main content area displays 'Sever Information' with fields for Server Name (AnyplacUSB_400000001), Model, Firmware Version, IP Address, MAC Address, and Server Uptime. A 'Windows Security' dialog box is overlaid, asking for a username and password for the server 192.168.31.215. The username 'admin' is entered, and the password field is masked with dots. There is a 'Remember my credentials' checkbox and 'OK' and 'Cancel' buttons.

Network



The screenshot shows the 'Network Setting' page. Under 'Network Information', the IP Address is 192.168.31.215, Subnet Mask is 255.255.255.0, and MAC Address is 00:04:d9:80:56:78. Under 'Network Setting', the Server Name is AnyplacUSB_400000001, DHCP Setting is set to DHCP, IP Address is 192.168.254.254, Subnet Mask is 255.255.255.0, and Gateway is 192.168.254.1. A green 'Submit' button is located at the bottom of the form.

Network Setting

Under “Network Setting” control panel, you can see “Server Name”, “DHCP Setting”, “IP Address”, “Subnet Mask” and “Gateway” to setting network for your US-S4PLUS USB server device.

Change USB server device’s name

You can change USB server device’s name by modifying the “Server Name”. you need to enter a new name (such as USB Device Server-server) and click “Submit” to set your USB server device to a new name.

Network Setting

| | |
|--------------|---|
| Server Name | <input type="text" value="AnyplacUSB-server"/> |
| DHCP Setting | <input type="button" value="DHCP"/> ▾ |
| IP Address | <input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="254"/> |
| Subnet Mask | <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/> |
| Gateway | <input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="1"/> |

Default IP Address Type (DHCP)

The default configuration for the US-S4PLUS USB server device is **DHCP** enabled. Many networks are working in DHCP networks, which assign IP address for US-S4PLUS USB server device automatically.

Network Setting

| | |
|--------------|---|
| Server Name | <input type="text" value="AnyplacUSB_4000000001"/> |
| DHCP Setting | <input type="button" value="DHCP"/> ▾ |
| IP Address | <input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="254"/> |
| Subnet Mask | <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/> |
| Gateway | <input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="1"/> |

Setting Static IP Address

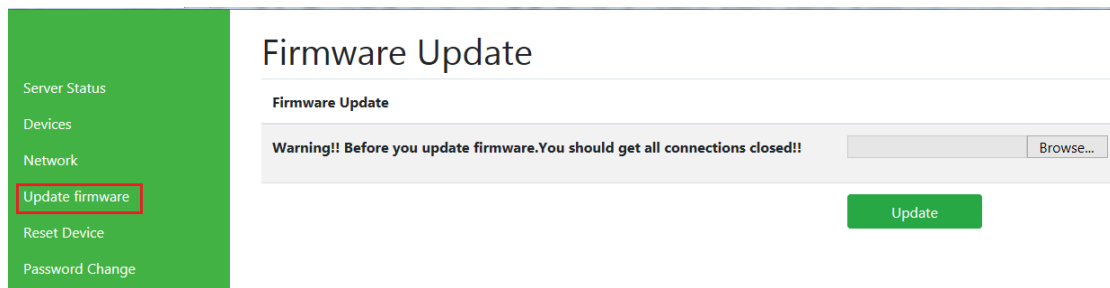
Click “DHCP Setting” to select IP address type(DHCP or Static IP) for US-S4PLUS . When you select “Static IP” , you need to enter the static IP address(such as 192.168.254.254), Subnet Mask (such as 255.255.255.0) and Gateway (such as 192.168.254.1) then click “Submit” to set your USB server device to static IP address.

| Network Setting | |
|---------------------------------------|---|
| Server Name | <input type="text" value="AnyplacUSB_4000000001"/> |
| DHCP Setting | <input type="button" value="Static IP"/> |
| IP Address | <input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="254"/> |
| Subnet Mask | <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/> |
| Gateway | <input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="1"/> |
| <input type="button" value="Submit"/> | |

Update Firmware

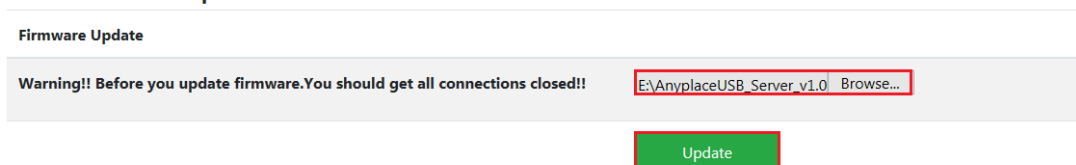
The “Update Firmware” button can upgrade the firmware for your USB server device when you need to. Under the web console interface, select “Update Firmware” to start upgrade the firmware for your US-S4PLUS USB server device, after you click “Update Firmware”, if you find “Windows Security” message, you needs to key-in user name and password then click “OK” to into “Update Firmware” control panel, the default user name and password of USB server device are “**admin**” (the default user name and password are same).

Under the web console interface, select “Update firmware” and click “Update” for upgrade to a new firmware. After clicking “Update firmware”, you can find “Firmware Update” messages and one search input bar for select or input update firmware file.



After you select or input new update firmware file, then clicking “Update”, you to launch in order to continue upgrading US-S4PLUS’s firmware.

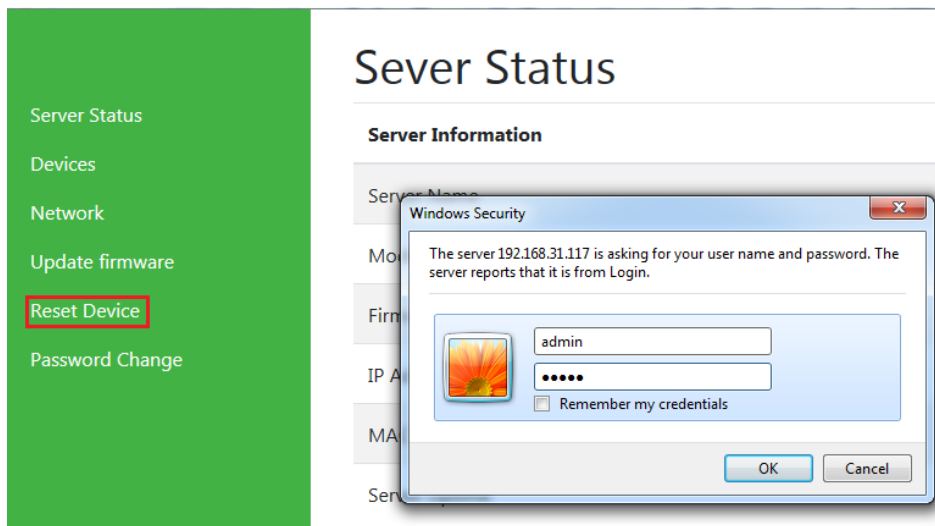
Firmware Update



While upgrading, you won’t find any message, after the new firmware update completed, you will find the USB server device reboot.

Reset Device

The “Reset Device” button resets your USB server device when you need to. Under the web console interface, select “Reset Device” to reset your US-S4PLUS USB server device, after you click “Reset Device”, if you find “Windows Security” message, you need to key-in user name and password then click “OK” to enter “Reset Device” control panel, the default user name and password of USB server device are “admin” (the default user name and password are same).



After clicking “Reset Device”, you can find “Server Information”, “Restore Factory Defaults”, “Reboot device” messages and two control buttons (“Reset to Defaults” and “Reboot”).

| Server Information | |
|--------------------|---------------------------|
| Server Name | AnyplacUSB_4000123456 |
| Model | AnyplaceUSB 4 port server |
| Firmware Version | 1.0 |
| IP Address | 192.168.31.117 |
| MAC Address | 00:04:d9:00:11:22 |
| Server Uptime | 00:58:15 up 5 days |

| Restore Factory Defaults | |
|--|-----------------------------------|
| Restore all options to their factory default states: | Reset to Defaults |

| Reboot device | |
|--|------------------------|
| This will reboot AnyplaceUSB. | Reboot |
| If you are sure you want to do this. Please press the Reboot button. | |

The “**Restore to Defaults**” control button restores the firmware to factory defaults.

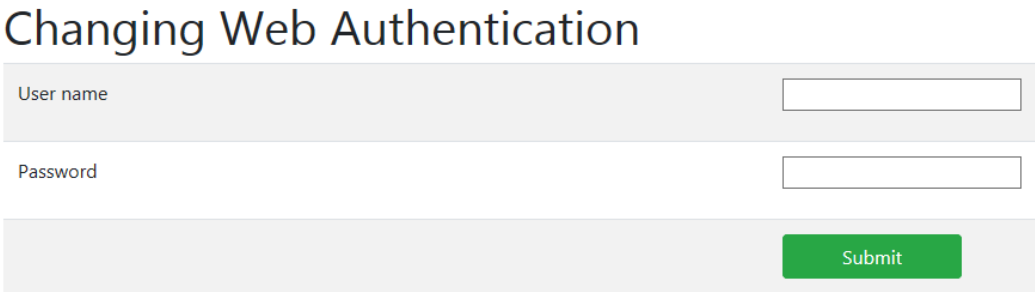
you can restore all options to factory default states by clicking the “Restore to Defaults” button; After clicking “Restore to Defaults”, a message “Reset to defaults and reboot” appeared, the USB server device will restore all options to factory defaults and reboot.

The “**Reboot**” control button reboot/reset your USB server device; After clicking “Reboot” control button, you will find “Reboot...” message and the USB server device will be reboot.

Password Change

The “Password Change” control button changing web authentication for your USB server device when you need to. Under the web console interface, select “Password Change” for your US-S4PLUS USB server device, after you click “Password Change”, if you find “Windows Security” message, you needs to key-in user name and password then click “OK” to into “Password Change” control panel, the default user name and password of USB server device are “**admin**” (the default user name and password are same).

After click “Password Change”, you can find “Changing Web Authentication” message and two input box (for “User name” and “Password”).



Changing Web Authentication

User name

Password

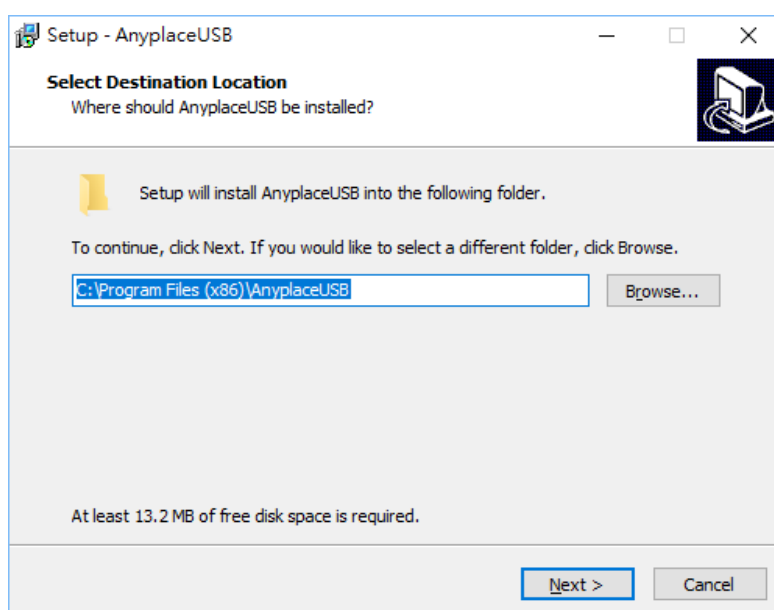
You can input new user name and new password to change the login user name and password for your USB server device. After input new user name and password for your USB server device, please clicking “Submit” to changing web authentication, you will find “Changing Authentication ...” message and the USB server device will be change to new login user name and password.

RUNNING USB Device Server SOFTWARE PROGRAM

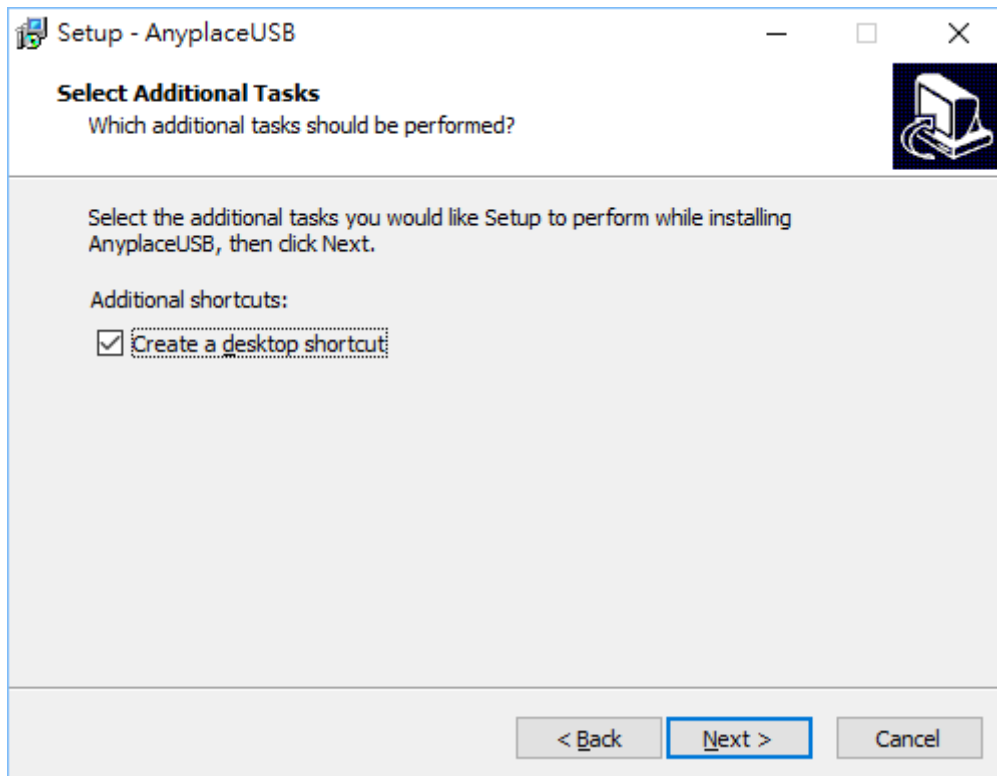
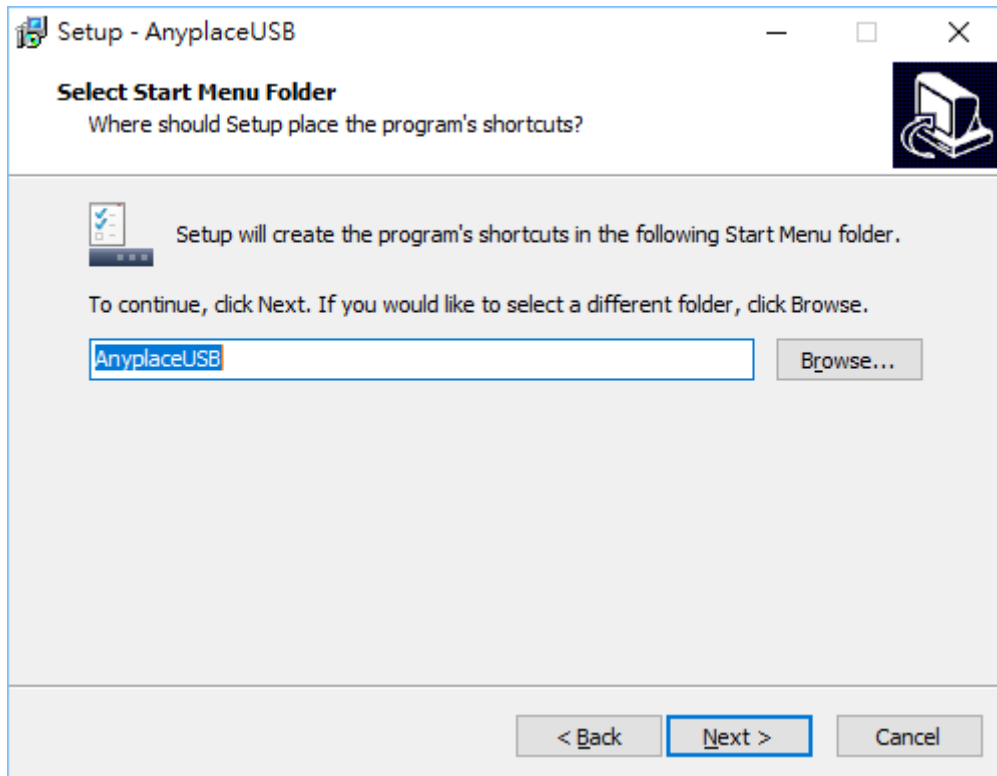
The USB Device Server software program is an advanced USB virtualization solution that allows you to connect remote USB devices over networks easily. Thus, any USB devices connected to the US-S4PLUS 4-port USB server device could be accessed from anywhere in the world (via internet), as if it were attached directly to the remote PC.

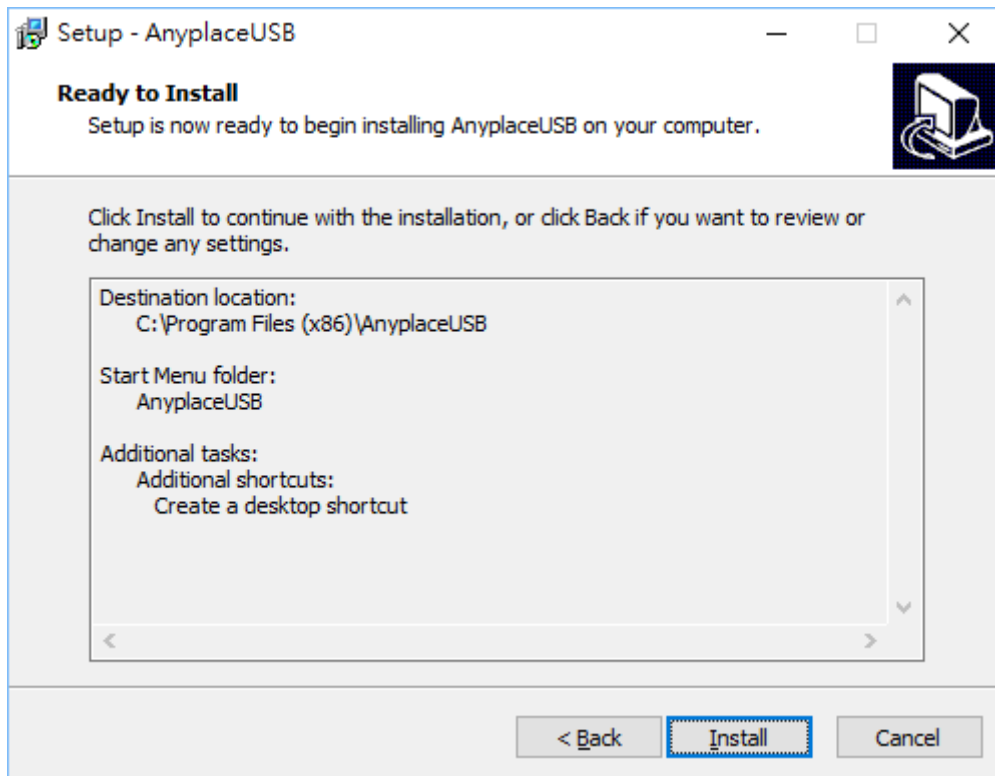
The USB Device Server software program with “CLIENT” option to connect remote USB devices from network.

1. Insert the software CD into your CD-ROM or DVD-ROM drive.
2. Open files in the CD and double click “USB Device Serverssetup” to install USB Device Server software program.
3. 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.

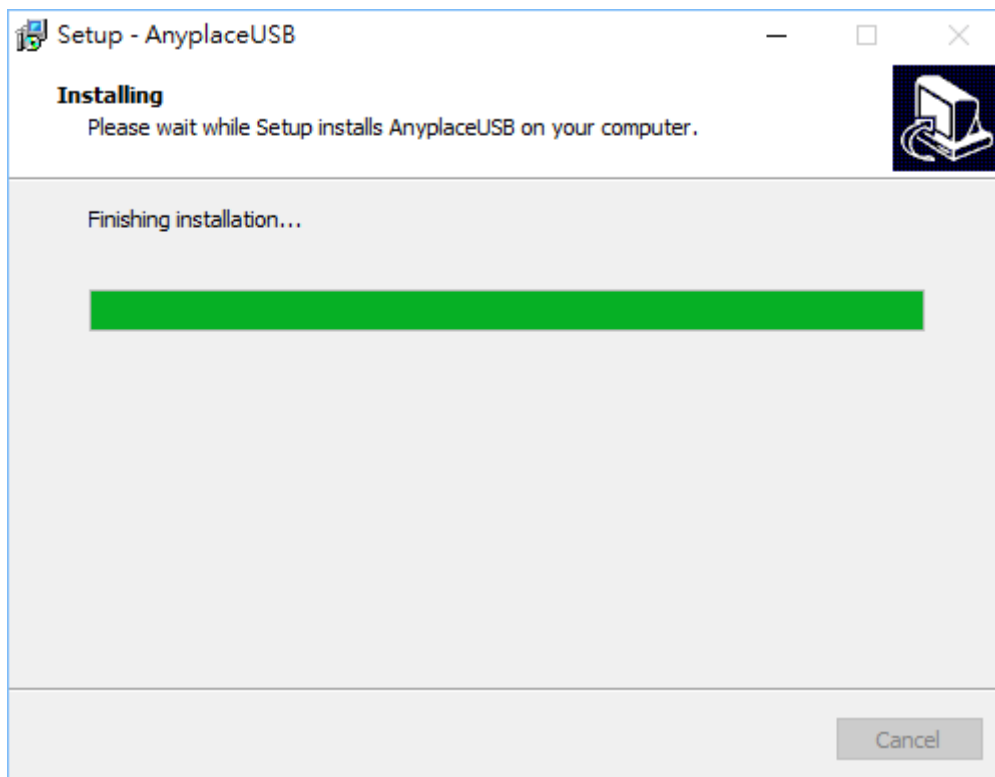


4. After you click “Next”, you will see following information. Click on “Next” and the “Ready to Install” message appears. Click “Install” to install USB Device Server software program.

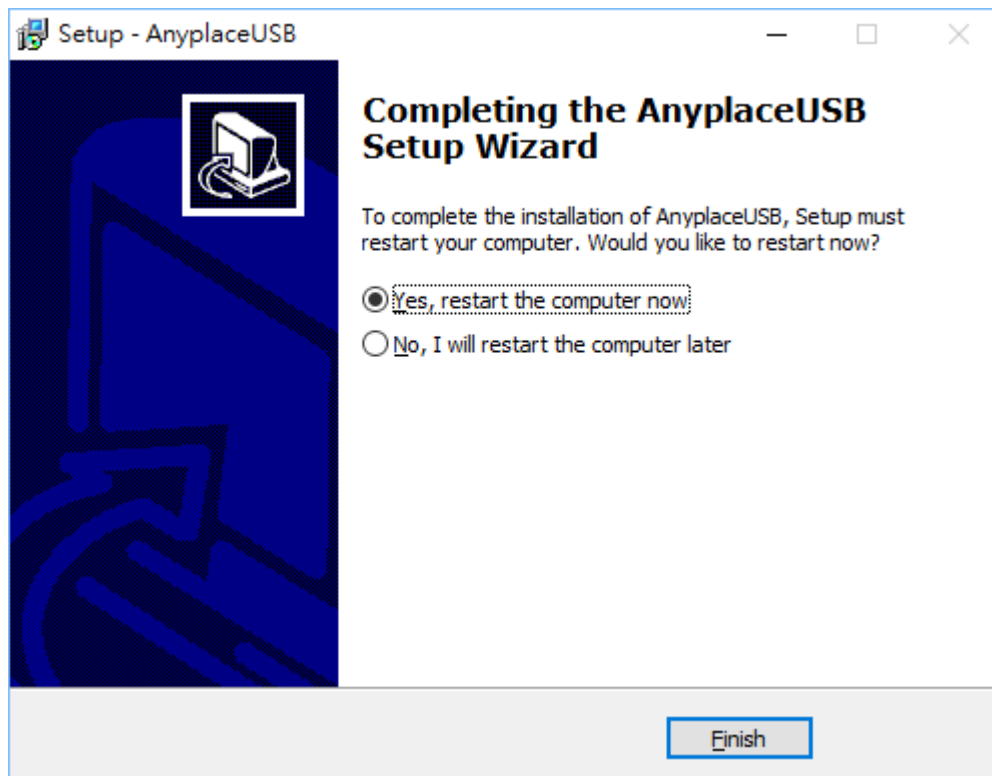




5. After you click “Install” to install USB Device Server software program, you will see the following information.



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.



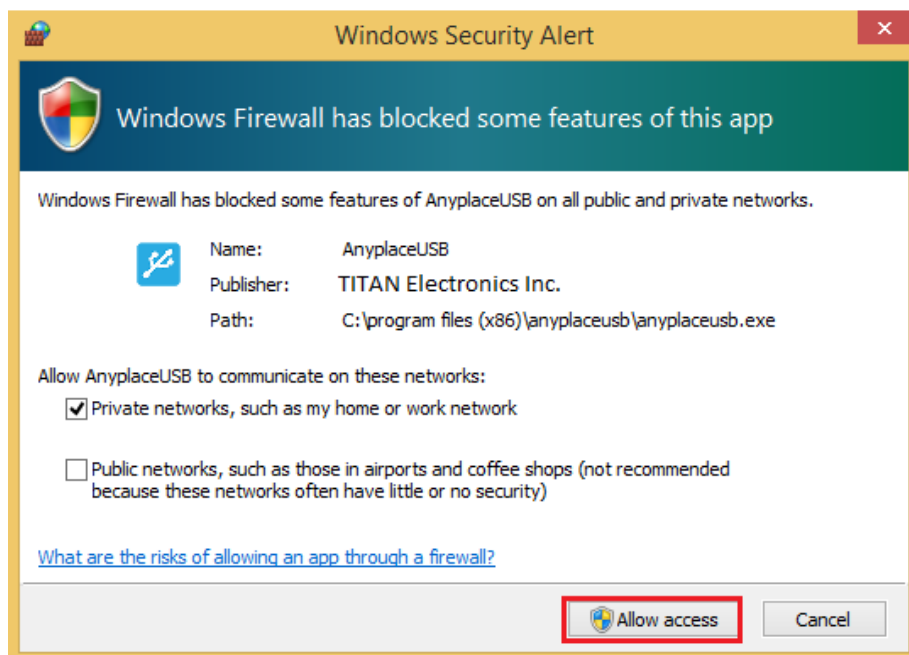
Running USB Device Server Software Program in Client Computer

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

Double click the shortcut icon of “USB Device 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.

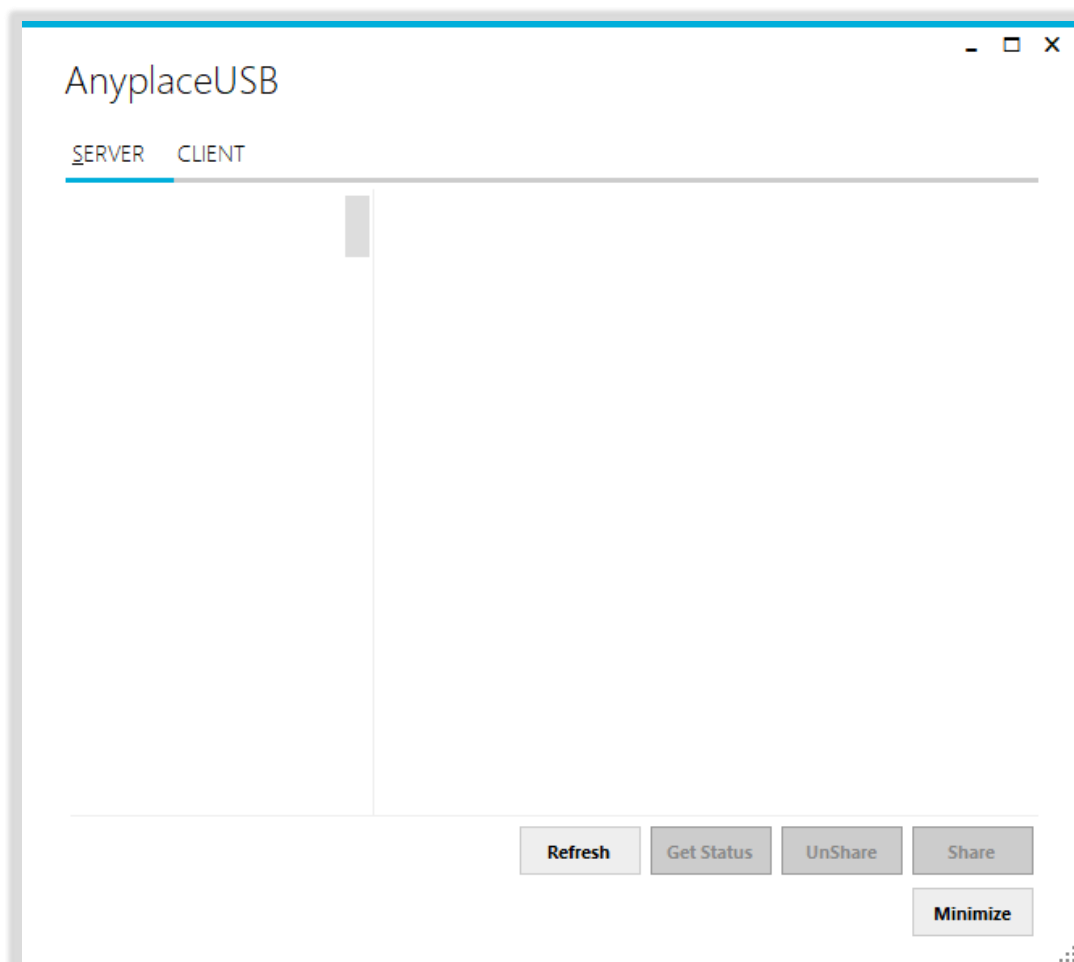


Running USB Device Server Software Program in CLIENT Mode

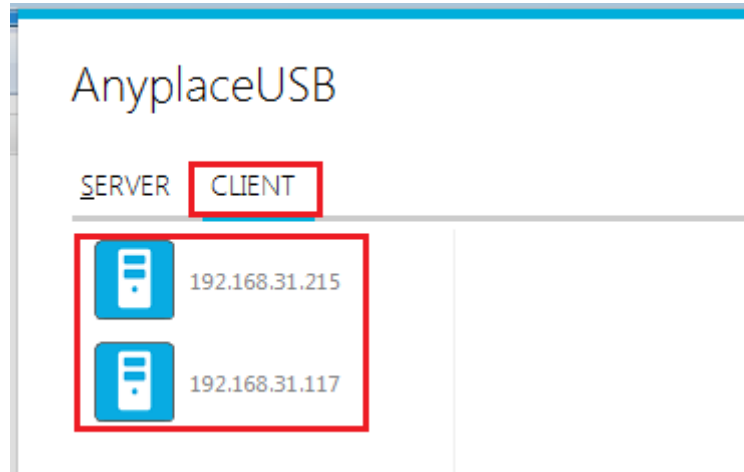
The USB Device Server software program client mode can discover USB server device installed in your local network automatically, in most cases there is no need to specify remote IP address or the hostname of the USB server devices. Select the correct USB server device from the list in order to connect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

To connect from client computer to a remote USB device shared on the USB server device, 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.

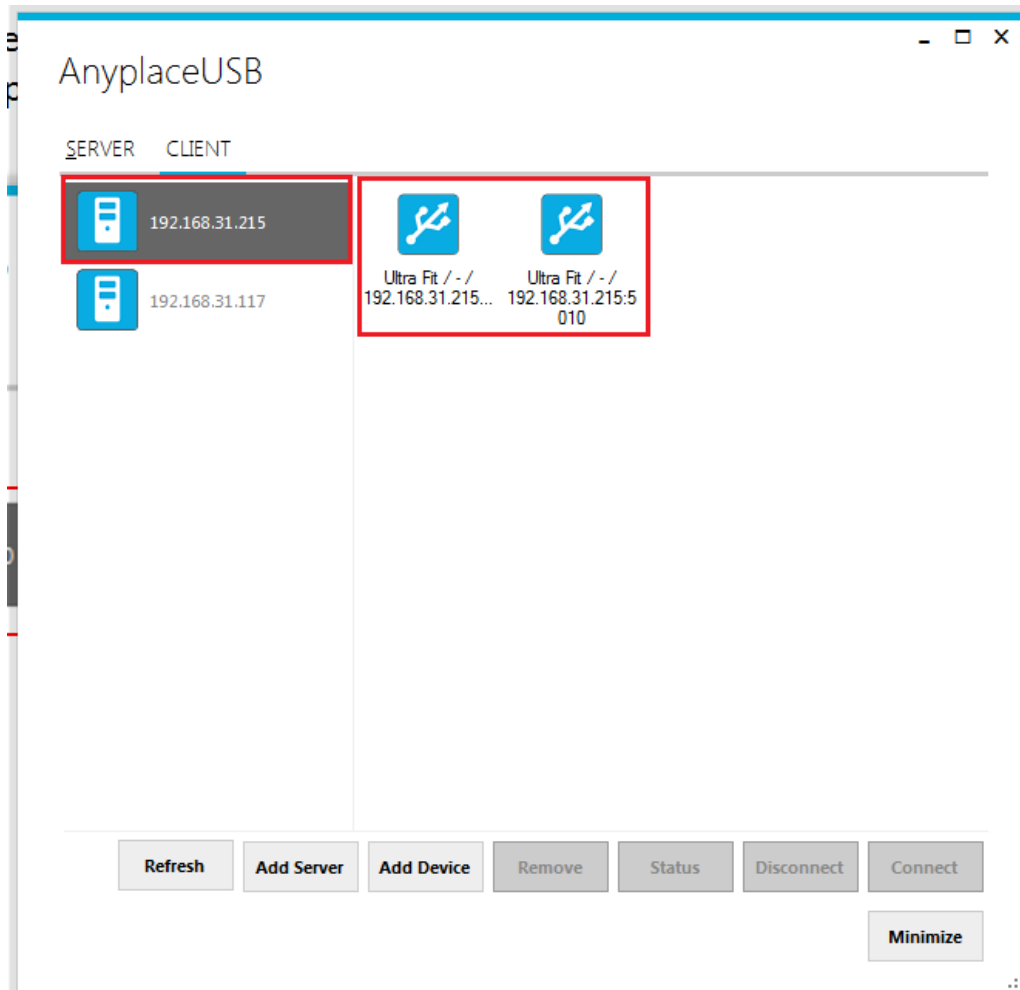
Once you have started up the USB Device Server software program, you will see the main window as shown below.



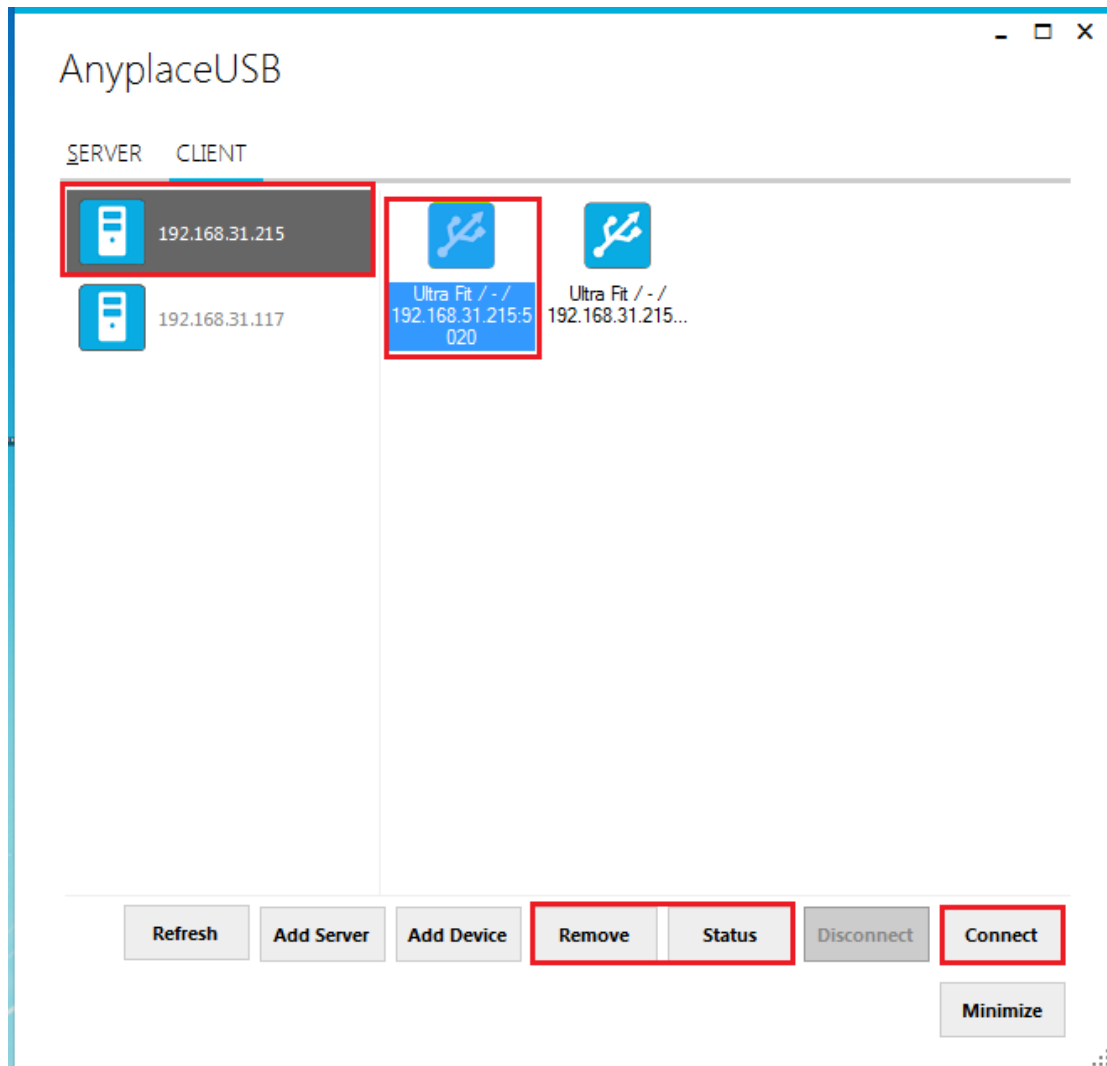
The main window consists of two toolbars (SERVER and CLIENT). Select "CLIENT" for connect to remote shared USB devices. After selecting "CLIENT" you will see all USB server devices with their IP addresses on the left of the main window, which displays all USB server devices discovered on the network.



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



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

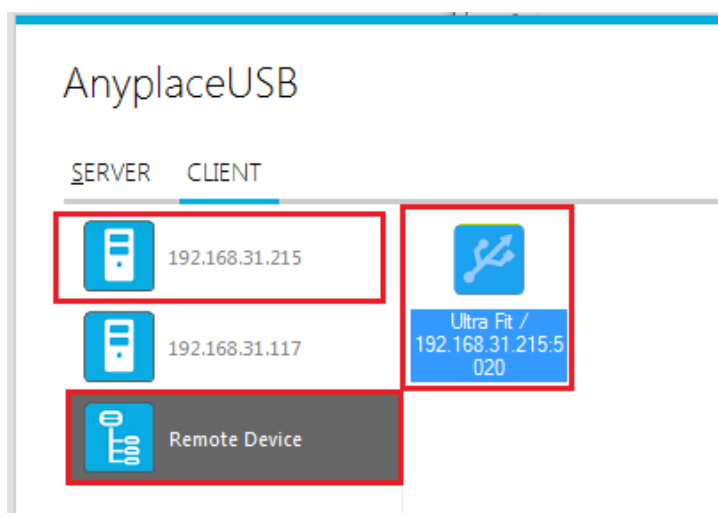


Connect Remote Shared USB Devices to your Computer

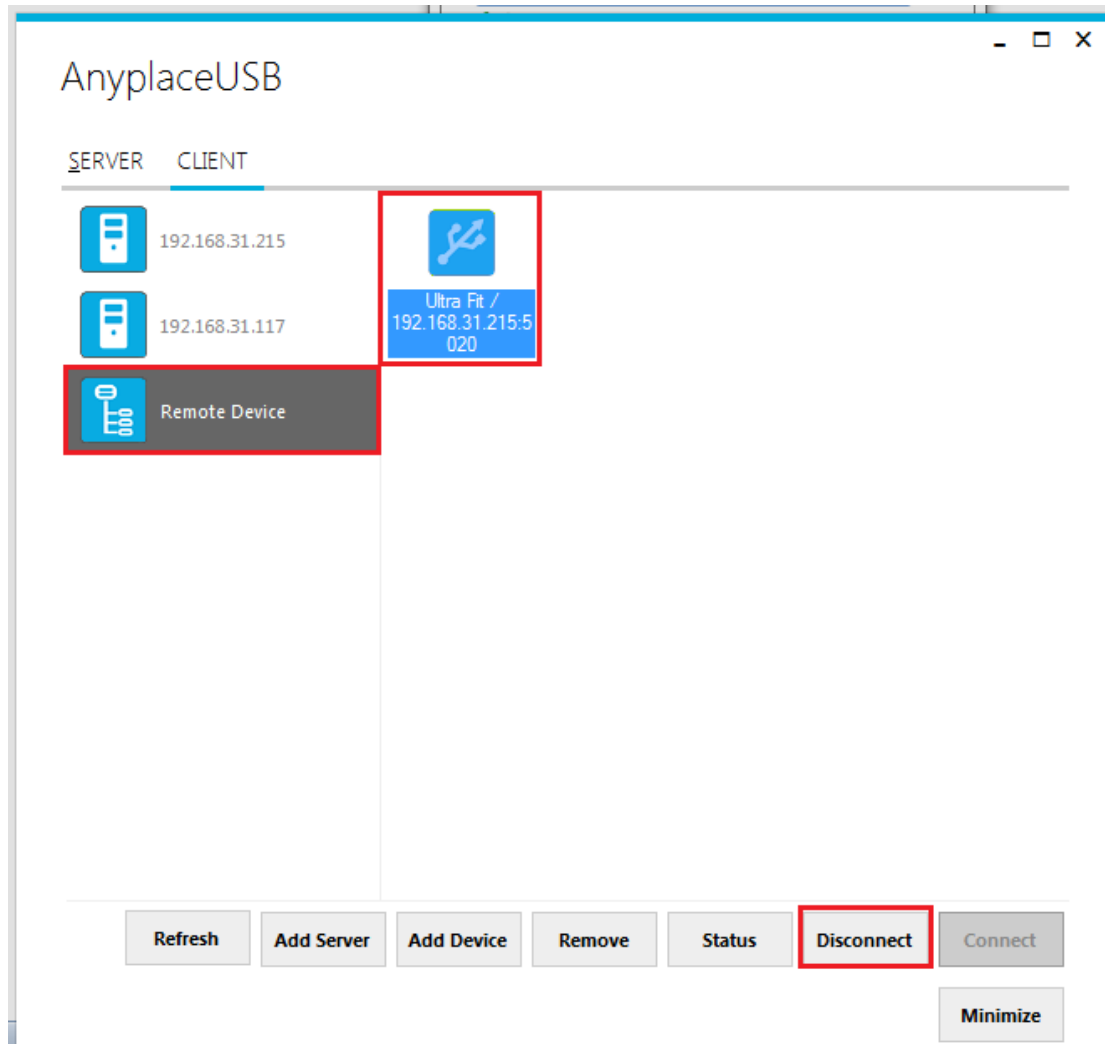
To connect the remote shared USB devices to your computer (client), click the **“Connect”** button to connect this remote shared USB device, and you will see a **“Connect success!”** to indicate success. This may take a while depending on the speed of your client computers, and the speed of your network. 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 the driver manually.



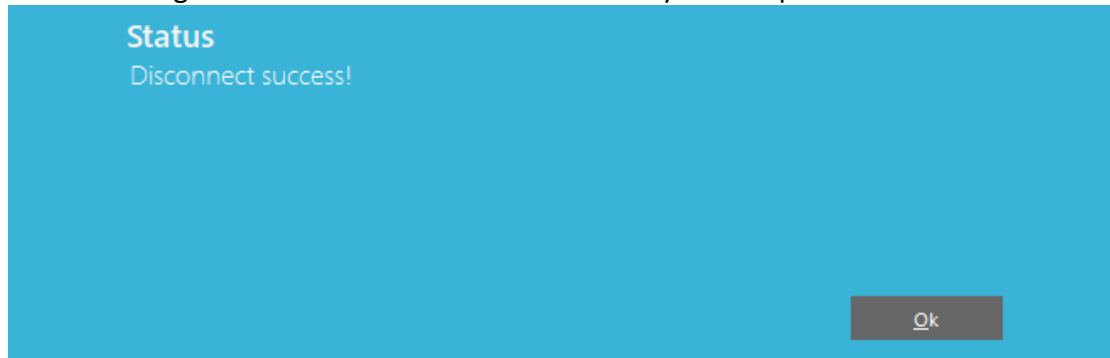
To check the remote shared USB device, please click on this remote shared USB device again. You will see that this shared USB device is connected to your computer and the “Disconnect” button is available.



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.

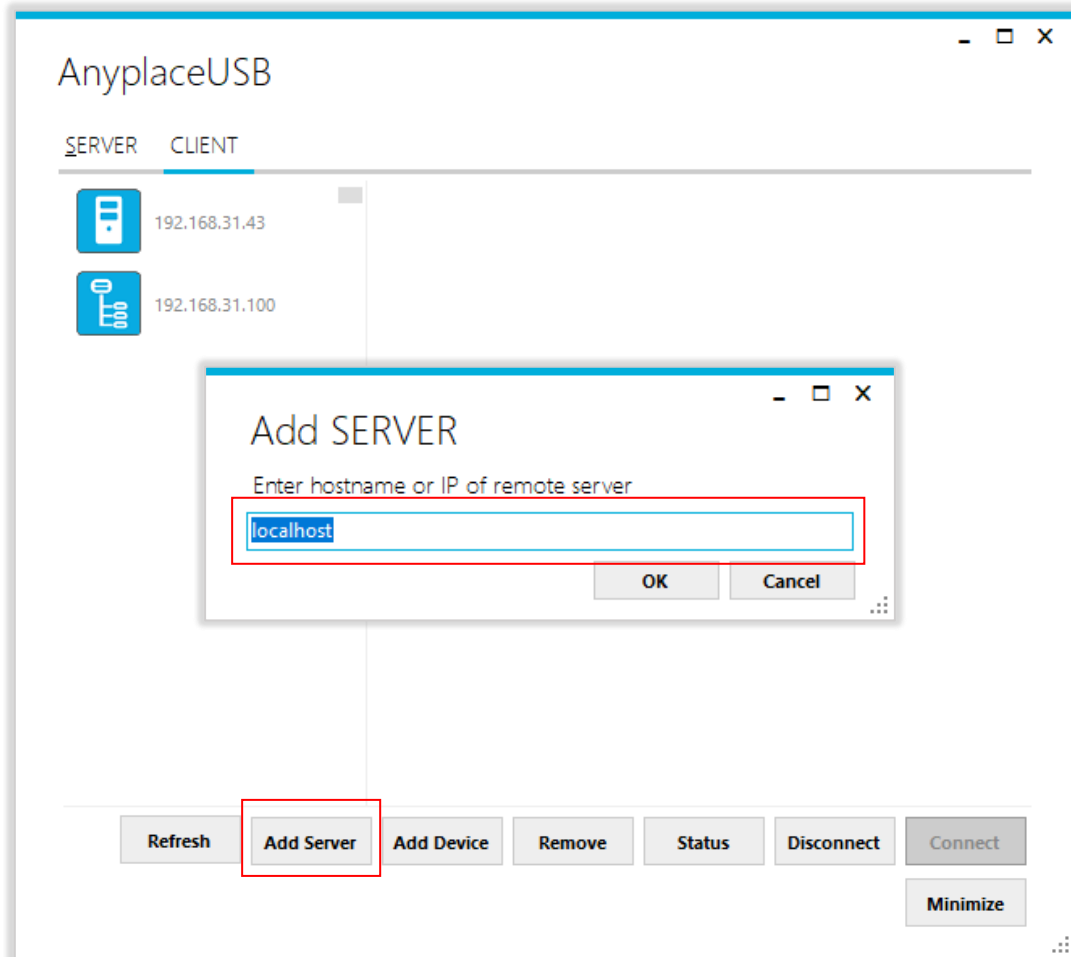


Note: After the USB device disconnected from USB server devices, please wait about 2 minutes to unload the pervious driver before connecting the USB device again, otherwise the USB device will not work correctly.

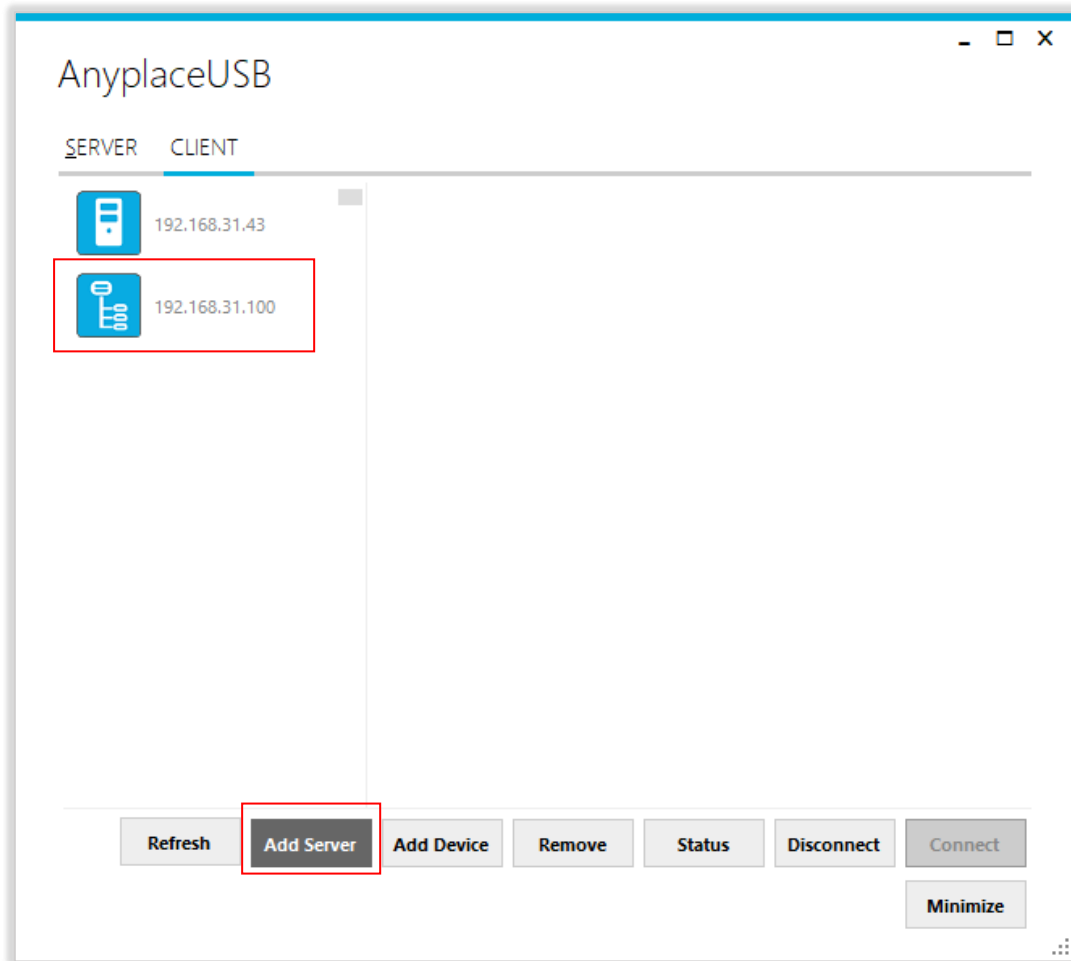
Other Buttons in CLIENT Mode

“Add Server” Button

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

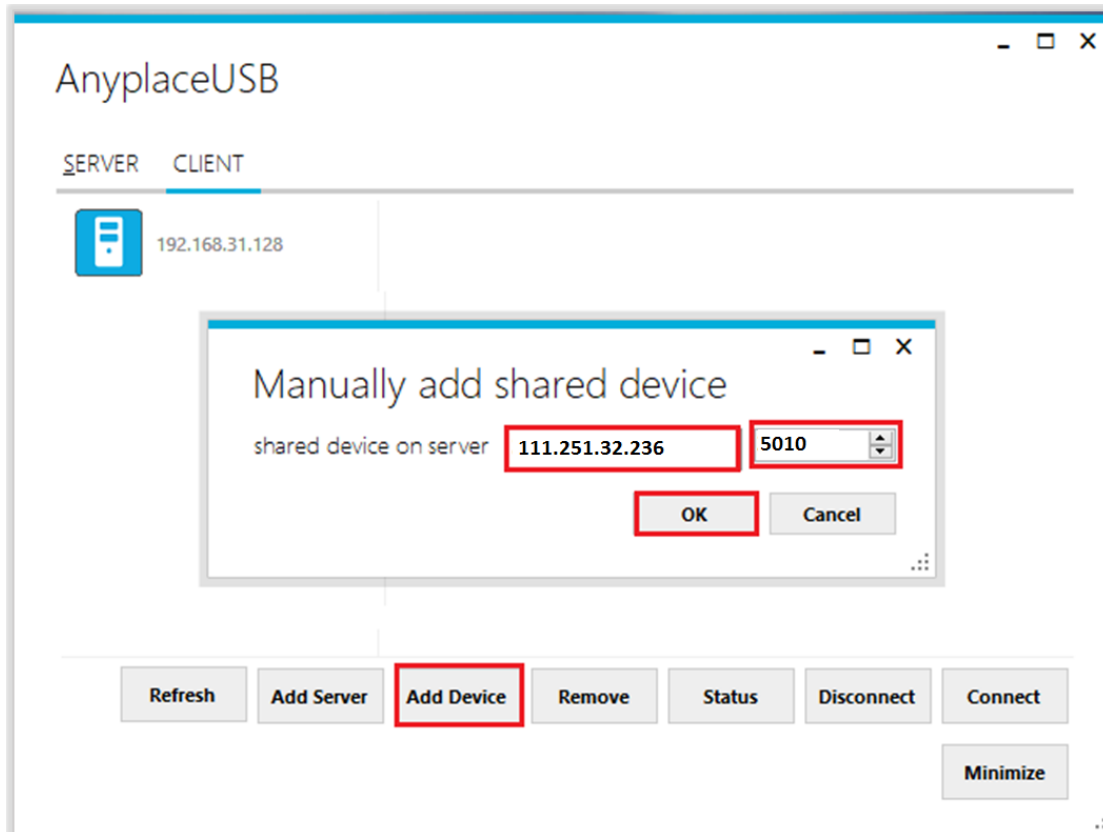


After adding a remote USB server device manually, you will see the remote USB server device (with IP address) added on the left of the main window.

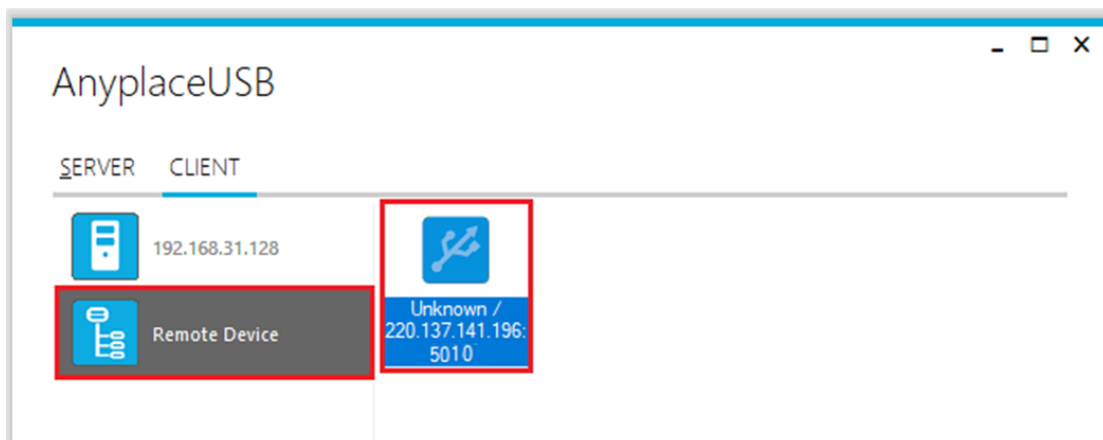


“Add Device” Button

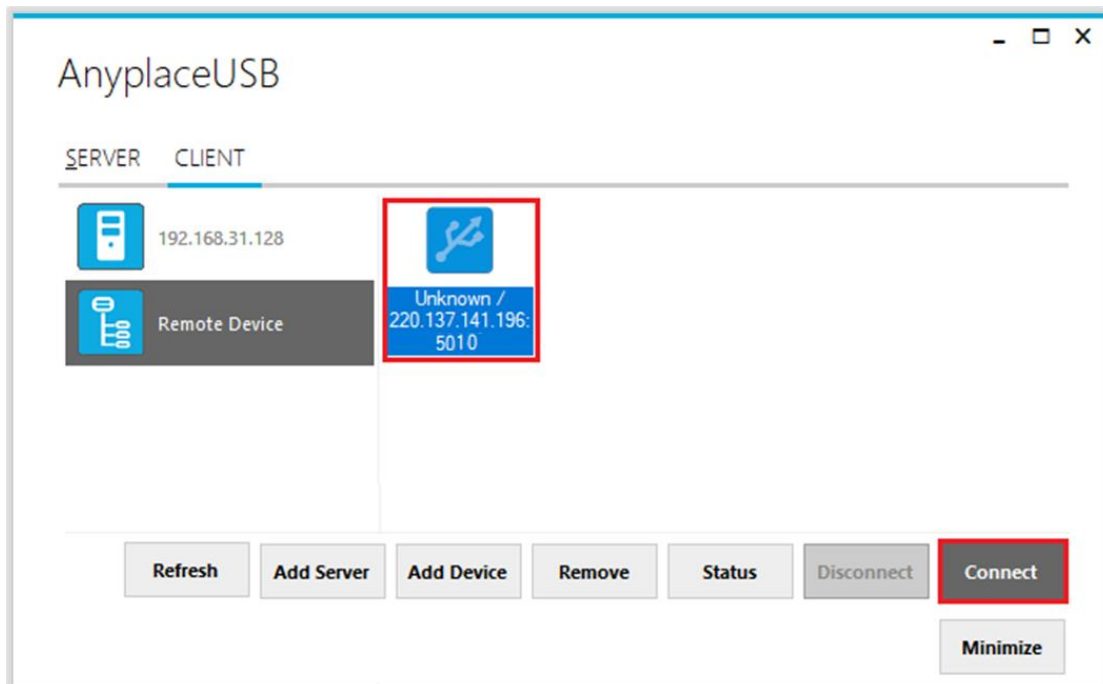
You can also use the “Add Device” button, in case you know the IP address of remote USB server device and the TCP port number, on which a USB device is shared. Click “Add Device”, enter IP address of the remote USB server device, and the TCP port number of the remote shared USB device in “Manually add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



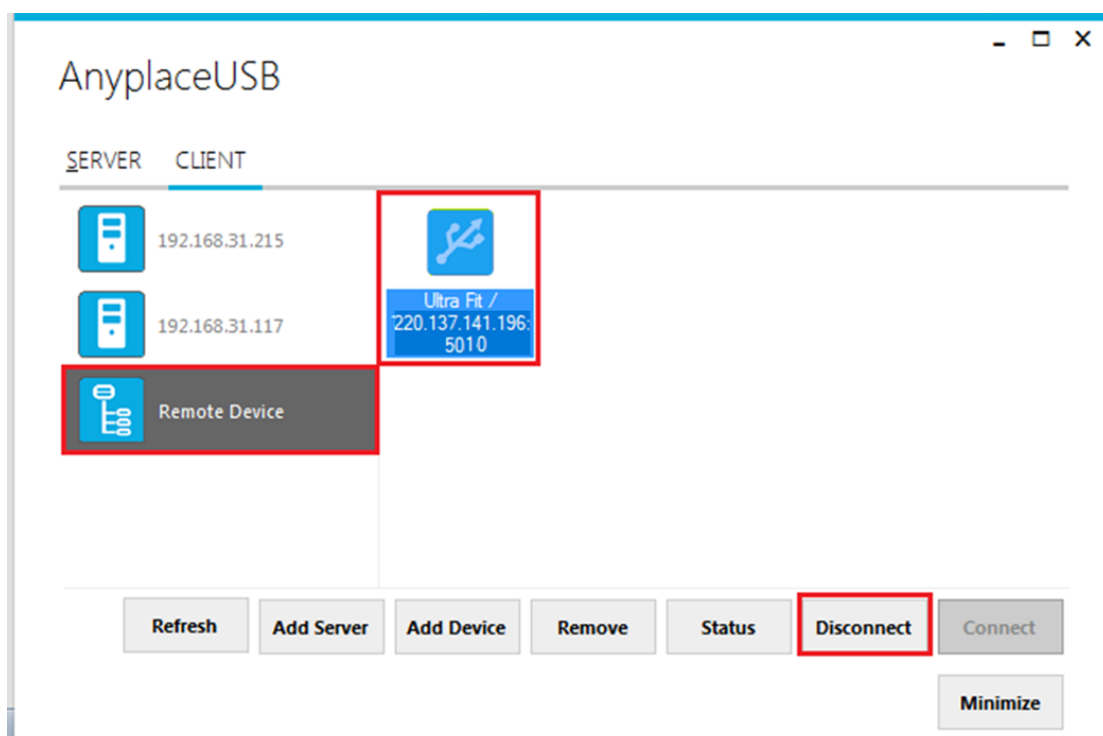
When you add a “Remote Device” manually, you will see an “Unknown” device added under “Remote Device”.



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.

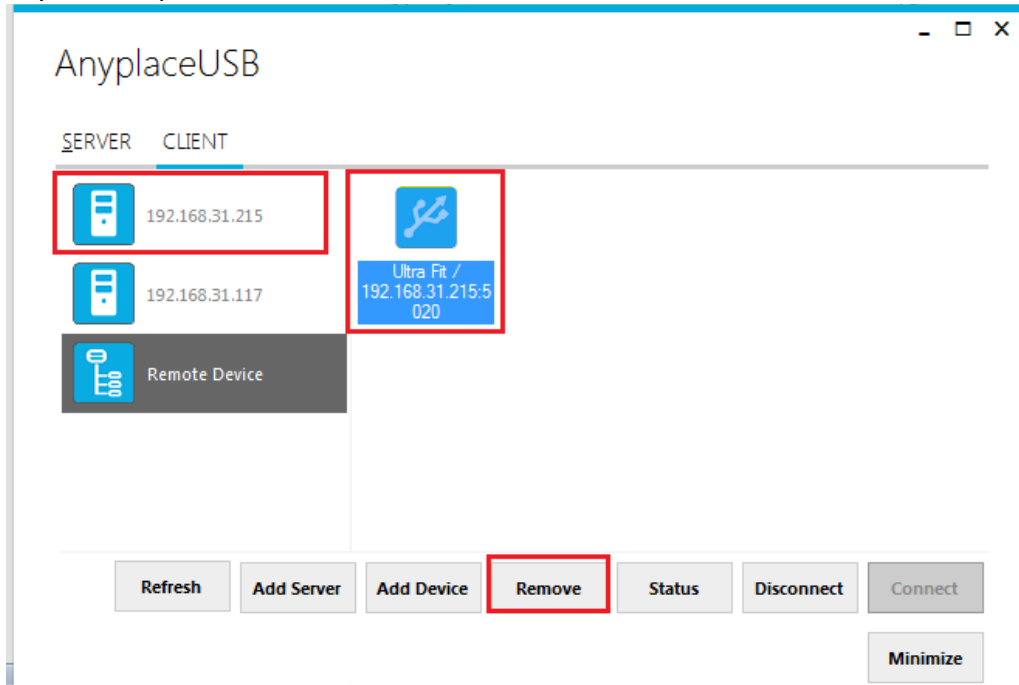


After connecting the **“Unknown”** USB device into your computer successfully, it will change to a remote shared USB device with device description, and the **“Disconnect”** button becomes available; the computer will install drivers for this remote shared USB device automatically. However, if your Windows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



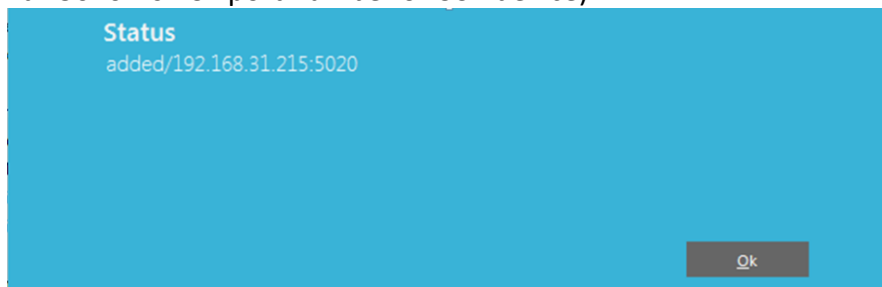
“Remove” Button

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



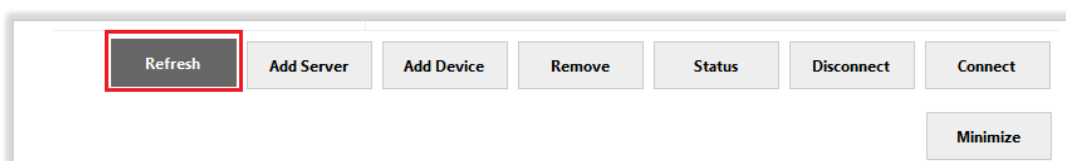
“Status” Button

Click the “**Status**” button to get the status of shared USB device. When the USB device is connect to US-S4PLUS USB server device, the status will show “added/192.168.31.215:5020(“192.168.31.215” is IP address of USB server device and “5020” is TCP port number of USB device)”.



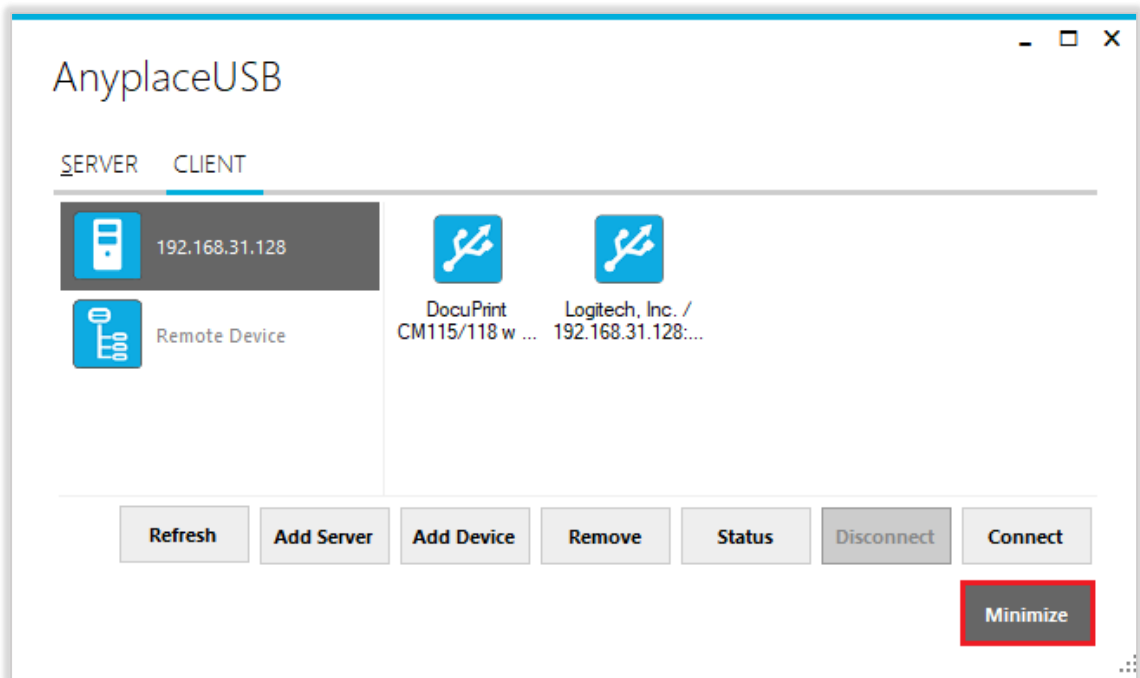
“Refresh” control button

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.

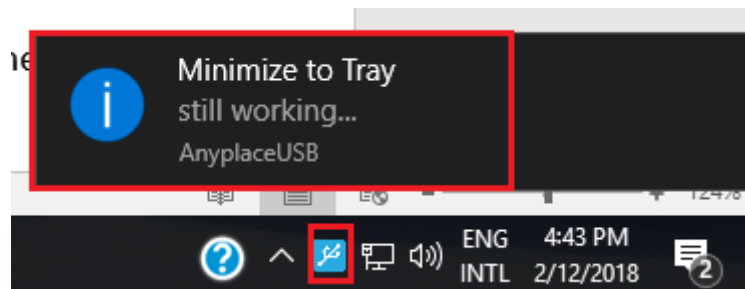


“Minimize” control button

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



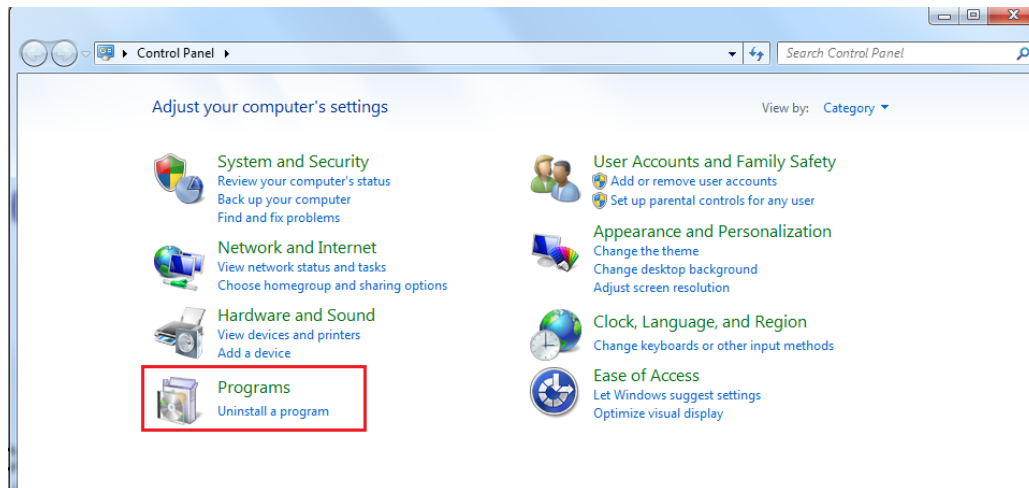
After clicking on “Minimize”, you will see “Minimize to Tray” message and the window of USB Device Server software program will move to the system tray.



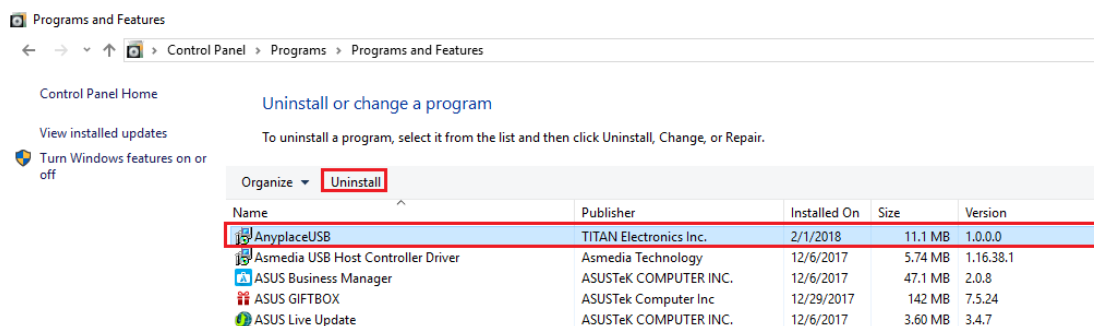
USB Device Server SOFTWARE UNINSTALLATION

Uninstalling USB Device Server Software Program

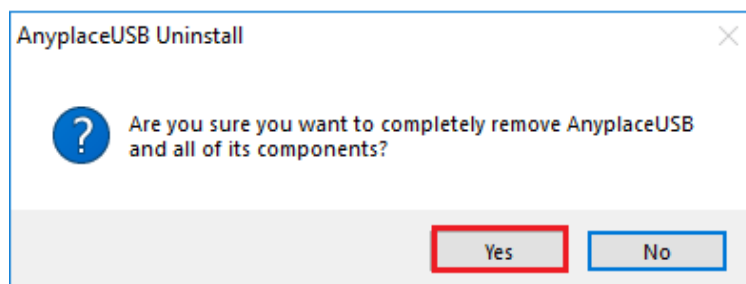
To uninstall USB Device Server software program, click the "Start" button and navigate to "Control Panel". Choose "Uninstall a program" under "Programs".



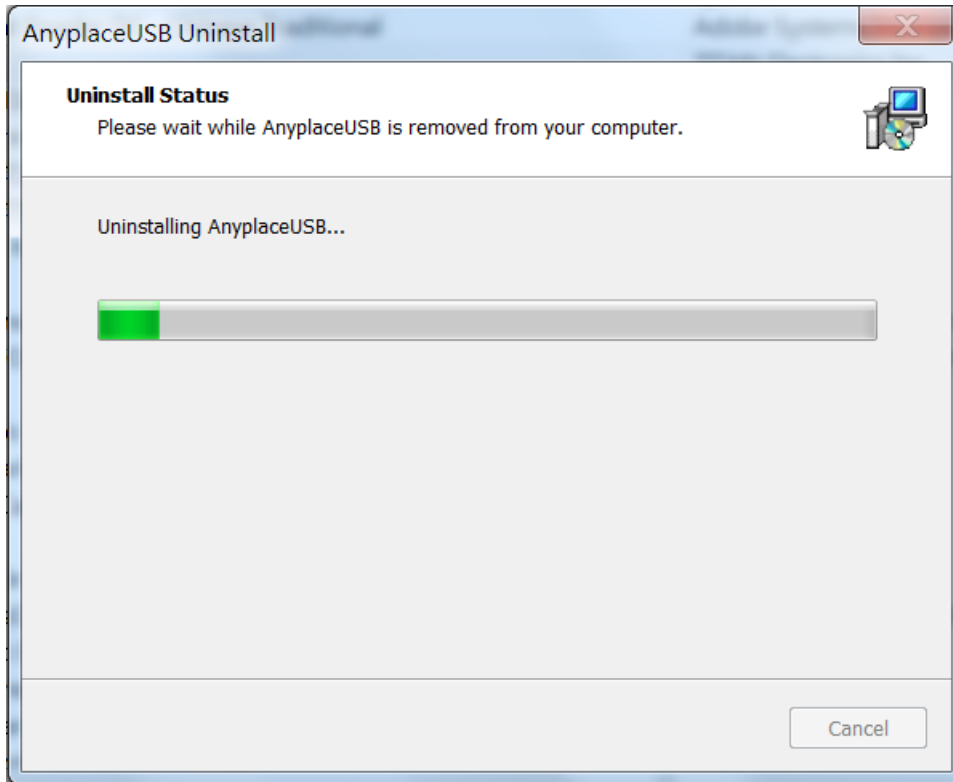
After you click "Uninstall a program", a list of all your installed programs will be shown. Select "USB Device Server" and click on "Uninstall" to uninstall USB Device Server software program.



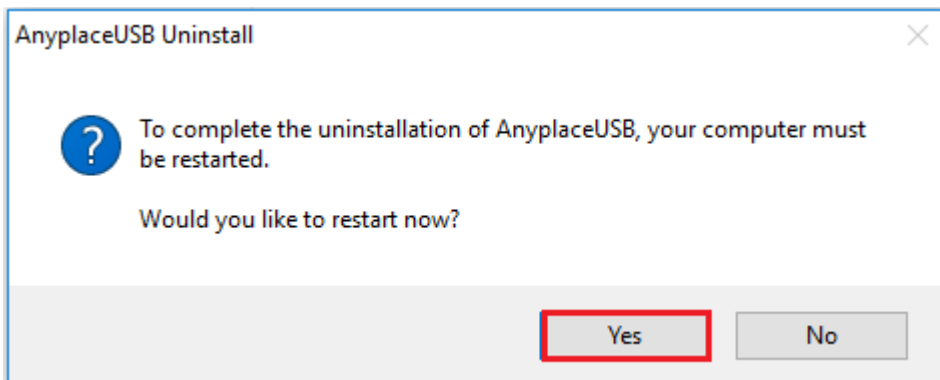
When you click on "Uninstall", a message will ask "Are you sure you want to completely remove USB Device Server and all of its components?". Confirm by clicking "Yes".



When uninstalling USB Device 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.

Additional Information

USB Server Device Status LEDs

The LEDs indicate the status on the USB server device.

“PWR” (Power/Ready) LED:

The **“PWR”** (Power/Ready) red LED indicates the US-S4PLUS is working fine and booted properly.

Ethernet Status LED's:

The **“Speed”** green LED (Ethernet Speed) indicates speed of Ethernet connection .

Steady on: The device is connected to a 100M Ethernet connection.

Steady off: The device is connected to a 10M Ethernet connection.

The **“Link”** yellow LED indicates Ethernet is linked.

Steady on: The Ethernet link has established.

Steady off: The Ethernet cable is disconnection.

Blinking: Ethernet data transmission is occurring.

The Ethernet Link LEDs will flash when Ethernet data is transmitted or received.

Note: The older 10 Mbit/s Ethernet is not a good base for USB server device support.

Hardware Restore Factory Default Button

The US-S4PLUS USB server device supports a hardware factory default button to restore the factory default settings. This can be done by pressing the factory default button for about 10 seconds.

Hardware Reset Button

The US-S4PLUS USB server supports hardware reset button to reset the hardware. When the hardware reset button is pressed for a short duration, it will reset the US-S4PLUS USB server device system.

