Wireless Print Server User Manual

Cheecent Model: CR202

(2 Eth + 2 USB + Wi-Fi)

1.Package Contents

Before installing your CR202 Print Server, please verify the kit contents as following.

- ➢ 1 x CR202 Print Server
- ➢ 1 x power adapter(12V DC/1A)
- ➢ 1 x User Manual
- ➢ 1 x Ethernet Cable
- ➢ 1 x SMA Wi-Fi antenna

*If any of the above items are missing or damaged, please get in touch with us.

*If this user manual is not clear enough for you, please download a more clear electronic user manual/video on our website: www.cheecent.com
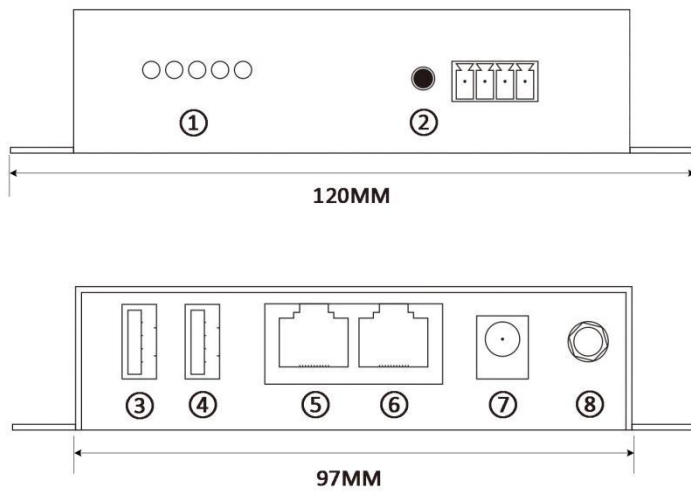
*Please refer to our Printer Compatibility Lists information on the website before installation.

2.Environmental Requirements

- ➢ Input voltage: 7.5V-32V(standard DC12V/1A)
- ➢ Operating temperature: -30 to +70 °C
- ➢ Storage temperature: -40 to 85°C
- ➢ Relative humidity: < 95% (no condensation)

3.Hardware Introduction

3.1 Overview

① LED Indicators: PWR, WIFI, WAN, LAN, LINK.
② RST: Reset Button.
③ USB1: Connect USB cable with Printer A.
④ USB2: Connect USB cable with Printer B.
⑤ LAN: Ethernet RJ45 Port LAN.
⑥ WAN/LAN: Ethernet RJ45 Port WAN.
⑦ POWER: Power supply connector, input 7.5V-32V DC.
⑧ WIFI: Connector that connect with Wi-Fi antenna.

3.2 LED Indicators

Name	Color	Status	Description
PWR	Green	On	Device is powered on
		Off	Device is powered off
WAN	Green	On, blinking	Link connection is working
		Off	Link connection is not working
LAN	Green	On, blinking	Link connection is working
		Off	Link connection is not working
WiFi	Green	On, blinking	WiFi connection is working
		Off	WiFi connection is not working
LINK	Green	On, blinking	Link is powered on
		Off	Link is powered off

3.3 Reset Button

After powered up the print server, press and hold the RST button for 10 seconds, and release the button to return the print server to factory defaults.

4.Print Server Configuration

4.1 Hardware Installation

➢ Mount the Print Server: The print server can be placed on a desktop or mounted to a wall. Use 2 pieces of drywall screws to mount the print server with the wall mounting kit on the wall.

➢ Connect the Print Server to a Printer: Connect a USB cable to the USB port of the server, and connect the other end of the cable to your printer.

➢ Connect the LAN port to a computer: Connect an Ethernet cable to the LAN port of the server, and connect the other end of the cable to your computer. (only when do print server configuration)

➢ Connect the WAN port to the local network router: Connect an Ethernet cable to the WAN port of the server, and connect the other end of the cable to the LAN port of your home/office's router. (If you use Wi-Fi mode, this step can be ignored)

➢ Attach included Wi-Fi antenna to the server's antenna connector and twist tightly. (If you use Wired mode, this step can be ignored)

➢ Connect with included power adapter to power on the server.
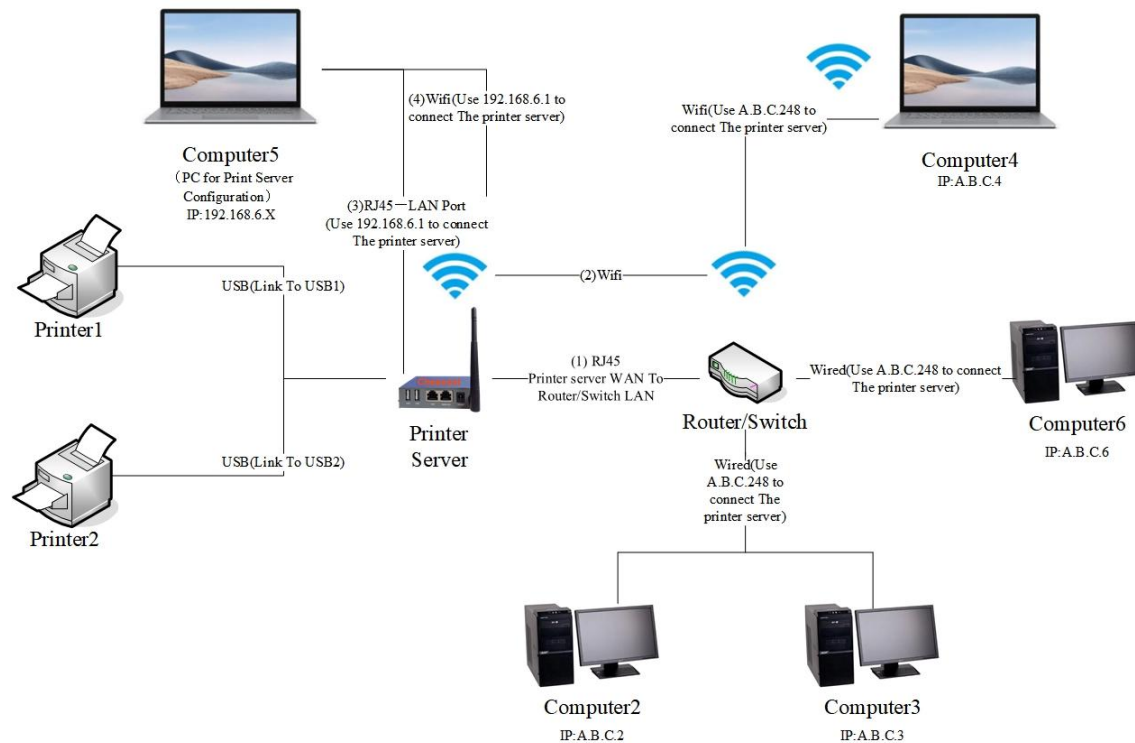
4.2 Log in the Print Server

To log in to the management page and view the configuration status of your server, please follow the steps below.

4.2.1 Make sure connect an Ethernet cable between server's LAN port and your computer, and connect a USB cable between the server and your printer.

4.2.2 Make your computer has already installed the printer driver software, you can directly connect the computer and printer to install driver software automatically, or download driver software from the printer's website to manually install.

4.2.3 Configure PC to obtain an IP address automatically from "Local Area Connection", take Win 10 for example, Mac system is similar method:

A) Click **Start** > **Settings (Control panel)**, click **Networks & Internet**, click **Change adapter options**, then double-click **Local Area Connection (Ethernet)**.

a

b
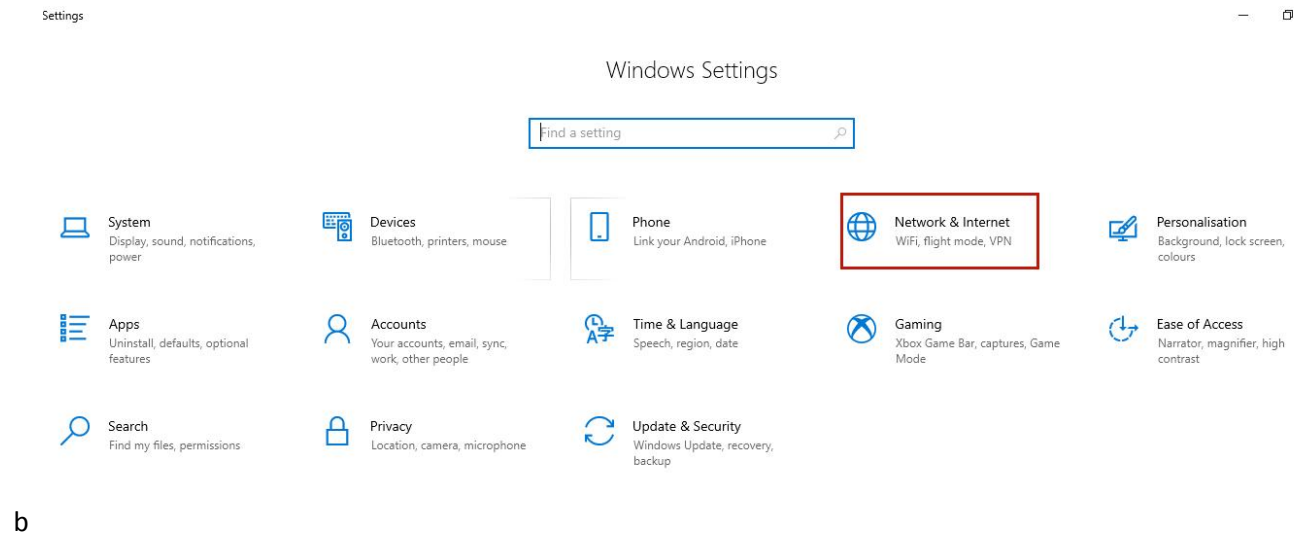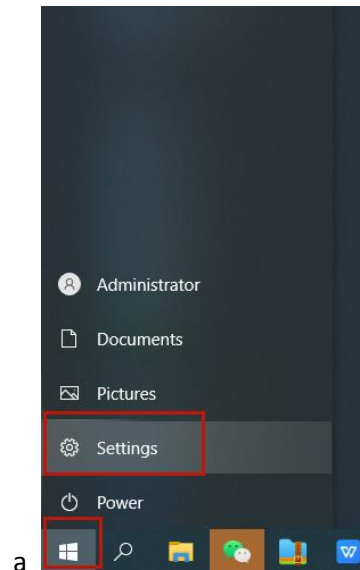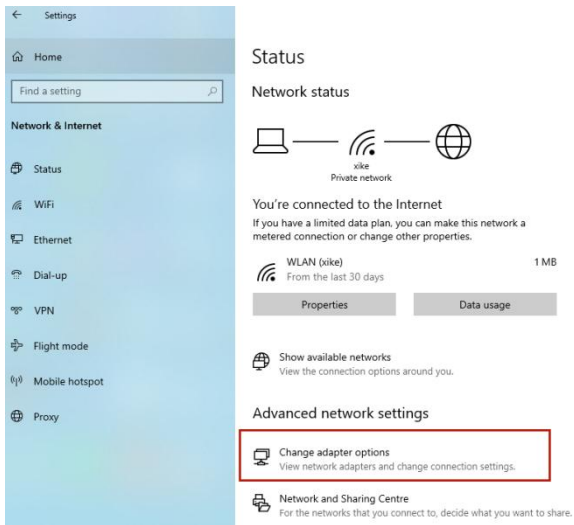
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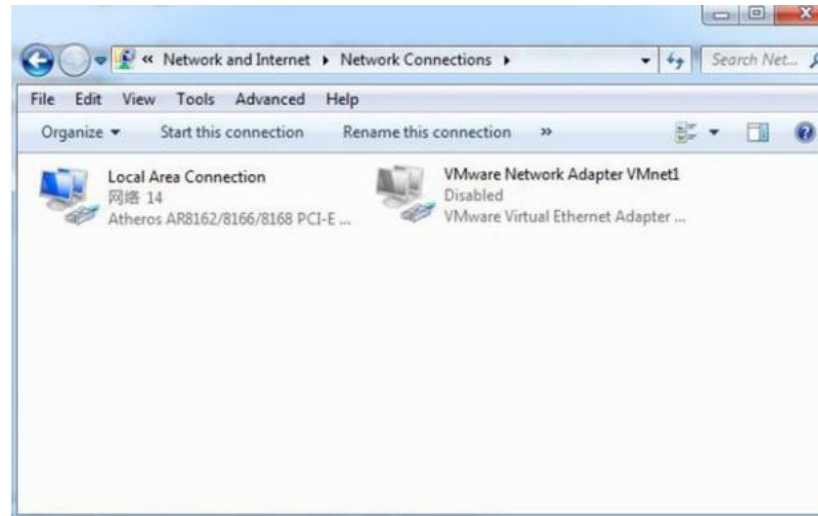
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B) Click **Properties** in the window of **Local Area Connection (Ethernet)** Status.
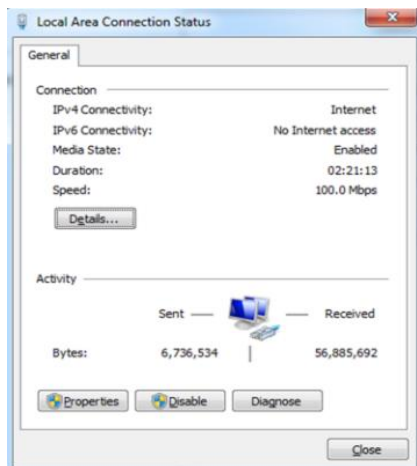
C) Choose **Internet Protocol Version 4 (TCP/IPv4)** and click **Properties**.
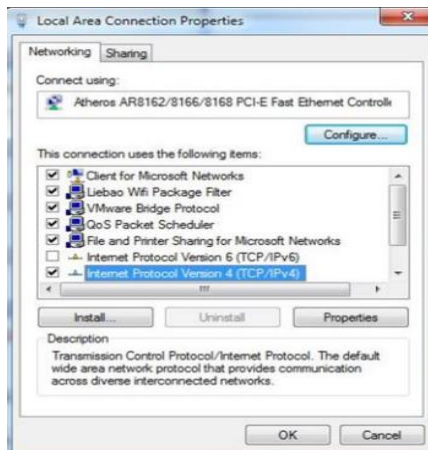
D) Obtain an **IP address automatically**, then Click **OK**.
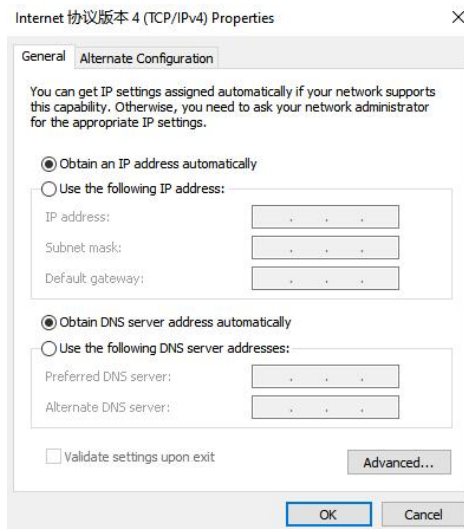
4.2.4 Login Print Server System

➢ On your PC, open a web browser such as Safari, Google or Firefox etc. Type the IP address of the server into the address bar and press enter. The default IP address of the server is 192.168.6.1, though the actual address may vary after your setting.

➢ On the login page, enter the username and password, then click Login. The default username and password are "admin".
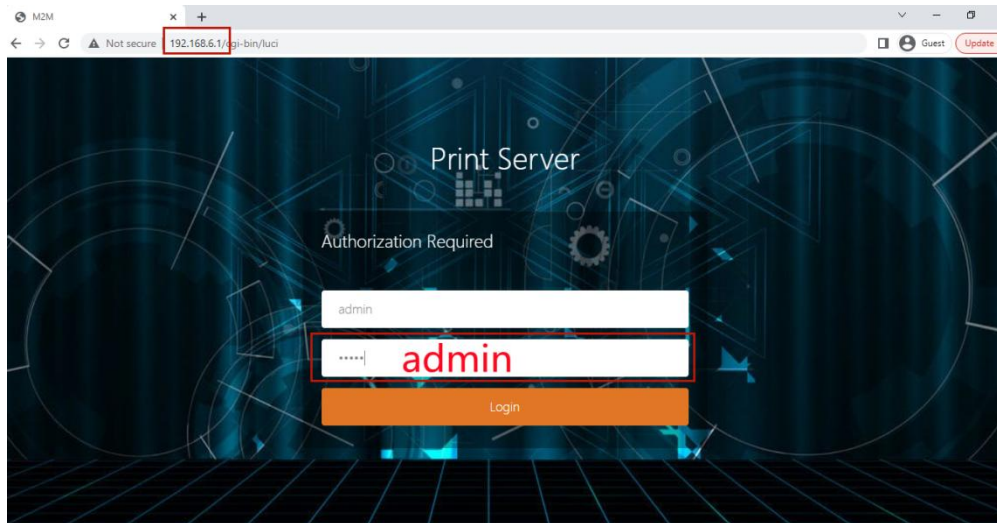
➢ After log in, the home page of the CR202 print server's system interface is displayed, for example.
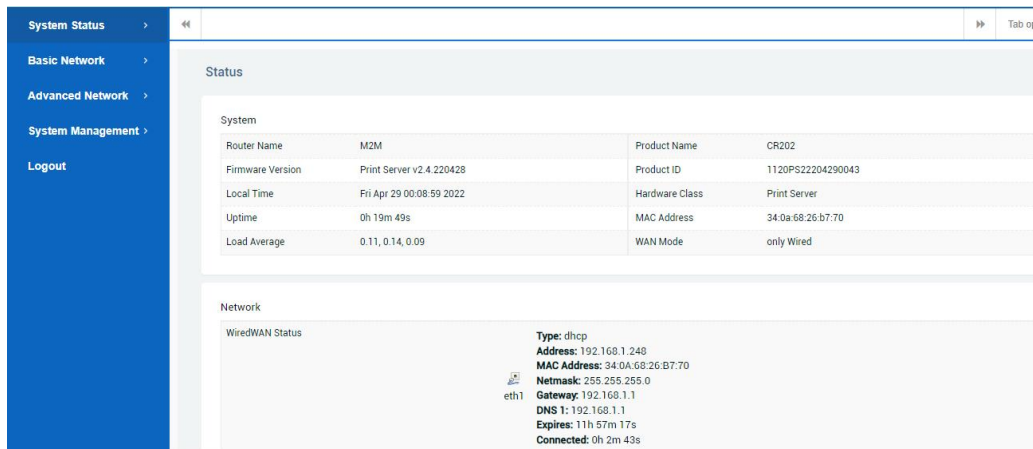
4.3 Configure Print Server's Wired or Wi-Fi Network Connection

There are two methods to connect with the local network for the Print Server. One is Wired WAN connection, another is Wi-Fi connection. Please keep in mind you should only use one way to connect, if you set both Wired Wan and Wi-Fi connection, it may cause an IP conflict.

4.3.1 Wired WAN Connection (If you use Wi-Fi mode, this step can be ignored, go to 4.3.2)

➢ Connect an Ethernet cable to the LAN port of the office router, and connect the other end of the cable to your WAN port of the print server.

➢ After wired connection to the office router, print server will use default DHCP Client mode to auto obtain an IP address as xxx.xxx.xxx.248, this IP address will be used in networking PC "add printer", you can check it in the **System Status > Overview > Network > Wired WAN Status.**

➢ If the DHCP obtain IP address is not as of xxx.xxx.xx.248, Or this address is already occupied by another device. You have to manually set a static IP address for Print Server's WAN port as follows:

Note: This prevents the print server from getting a different IP address every restart, otherwise it will cause the computer can not continue to be used with the original IP address added.

A) Click **Basic Network > Wired Network > WAN > General Setup > Protocol select "Static address",** click **SWITCH PROTOCOL** button.

B) Set the IP address in the same network segment with home/office router and the last IP number is 248, and set a subnet, gateway, DNS address, click **SAVE & APPLY** button.

C) Now you can double check it in the **System Status > Overview > Network > Wired WAN Status.**

D) Record the Printer link of **Advanced Network > Print Service > Link/TCP Listener port**

The printer link should be WAN: http://ip address/printers/print name. Port will be 9100 or 9101.

Note: If your computer has not install printer's driver yet, it can not identify these address print link and device type. So make sure your PC has already installed the printer driver software.

4.3.2 Wi-Fi Connection (If you use Wired Wan mode, this step can be ignored, go to 4.3.1)

➢ Connect included Wi-Fi antenna to the print server, make sure the print server place in a place within your home/office Wi-Fi coverage.

A) Login print sever, **Basic Network > Wireless Network,** click **SCAN** button, then select your WiFi to **Join network.**

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B) Select your office WiFi network, click **JOIN NETWORK** button.

C) Fill in your Wi-Fi password in **WPA passphase**, click **SUBMIT**.

Note: DO NOT change the default "Name of the new network", do not change any other parameters.

D) Click **SAVE & APPLY** button.

E) Double check it in the **System Status > Overview > Network > Wireless** (not the same place of Wired Wan status)

System will use default DHCP Client mode to obtain an IP address automatically as xxx.xxx.xx.248, this address will be used when PC add printer.

F) Record the Printer link of **Advanced Network > Print Service > Link/TCP Listener port**

The printer link should be WWAN: http://ip address/printers/print name. Port will be 9100 or 9101.

Note: If your computer has not install printer's driver yet, it can not identify these address print link and device type. So make sure your PC has already installed the printer driver software.

➢ If the Wi-Fi DHCP obtain IP address is not as of xxx.xxx.xx.248, Or this address is already occupied by another device. You have to manually set a static IP address for Print Server's WiFi WAN port as follows:

Note: This prevents the print server from getting a different IP address every restart, otherwise it will cause the computer can not continue to be used with the original IP address added.

A) **Basic Network > Wireless Network,** select SSID (your Wi-Fi name) Mode is **Client,** click **EDIT** button.

B) **General Setup > Protocol >** Select **Static address**, Set the IP address in the same network segment with home/office router and the last IP number is 248, and set a subnet, gateway, DNS address, click **SAVE & APPLY** button.

5.Networked PC Add A Printer

Before add a printer to your multiple networked computers, you need to make sure these things:

➢ Each computer has already installed the printer driver software, you can directly connect the computer and printer to install driver software automatically, or download driver software from the printer's website to manually install.

➢ Directly connect the computer with the printer, to test if it can print successfully. If not, you need to re-install the driver software.

➢ The Printer Server had been connecting to the local network and use a USB cable to connect with the printer.

➢ The Printer Server and PC are in the same local network (LAN).

5.1 Get printer link or TCP/IP information.

5.1.1 After print server configuration, you can use any networked computer (within the same subnet) to access Print Server Management by xxx.xxx.xxx.248 (print server wan IP address, default login account/password is "admin") in web browser.
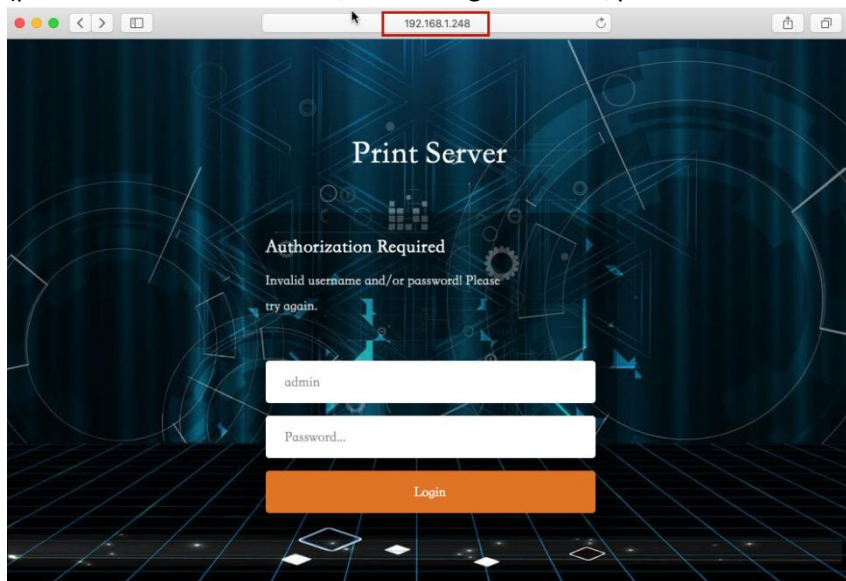
5.1.2 Print server **Advanced Network > Print Service > WAN Link/WWAN Link** and **TCP Listener port** to get printer link. **System Status > Overview > Network > Wireless or Wired WAN Status** to get Print Server IP at xxx.xxx.xxx.248. (xxx.xxx.xxx is the same as of your local network segment)
Note: If your computer has not install printer's driver yet, it can not identify these address print link and device type. So make sure your PC has already installed the printer driver software.

System Status ⌄
- Overview
- Routes
- System Log
- Kernel Log
- Realtime Graphs

Basic Network ›
Advanced Network ›
System Management ›
Logout

Overview ✕   ▸▸   Tab op

Generic MAC80211 802.11bgn Wireless Controller (radio0)

SSID: CR202-26b770
Mode: Master
Channel: 11 (2.462 GHz)
Bitrate: ? Mbit/s
BSSID: 36:0A:68:26:B7:72
0% **Encryption:** mixed WPA/WPA2 PSK (CCMP)
DNS 1: 114.114.114.114
DNS 2: 208.67.220.220
DNS 3: 8.8.8.8
Uptime: 0h 0m 47s

SSID: Cheecent
Mode: Client
Channel: 11 (2.462 GHz)
Bitrate: 72.2 Mbit/s
BSSID: 34:0A:68:26:B7:72
100% **Encryption:** WPA2 PSK (CCMP)
Address: 192.168.1.248
Gateway: 192.168.1.1
DNS 1: 192.168.1.1
Uptime: 0h 0m 35s

Your IP should be different at xxx.xxx.xxx.248

System Status ›
Basic Network ›
Advanced Network ›
System Management ›
Logout

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Status

System

Router Name	M2M	Product Name	CR202
Firmware Version	Print Server v2.4.220428	Product ID	1120PS22204290043
Local Time	Fri Apr 29 00:08:59 2022	Hardware Class	Print Server
Uptime	0h 19m 49s	MAC Address	34:0a:68:26:b7:70
Load Average	0.11, 0.14, 0.09	WAN Mode	only Wired

Your IP should be different , at xxx.xxx.xxx.248

Network

WiredWAN Status

Type: dhcp
Address: 192.168.1.248
MAC Address: 34:0A:68:26:B7:70
eth1 **Netmask:** 255.255.255.0
Gateway: 192.168.1.1
DNS 1: 192.168.1.1
Expires: 11h 57m 17s
Connected: 0h 2m 43s

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5.2 Add Printer In Networked Computer

This print server supports networked computer add printer in two ways: "Printer HTTP Link" and "TCP/IP Port". It supports Windows, Mac systems, if you have the printer driver for Linux, you can try it on the Linux system too.

5.2.1 Add printer in Windows (If you use Mac PC, this step can be ignored, go to 5.2.2)
Here take Windows 10 for example, WiFi connection and Windows XP, Windows 7 are similar.

➢   Use "TCP/IP Port" to add printer (**Recommended Method**)

A) Click windows' **Start > Setting > Devices > Add a printer or scanner > Click "The printer I want isn't listed"**
Note: Windows 7/XP... need to select "**Add a network, wireless or Bluetooth printer**" before choose "**The printer I want isn't listed**".

a   b
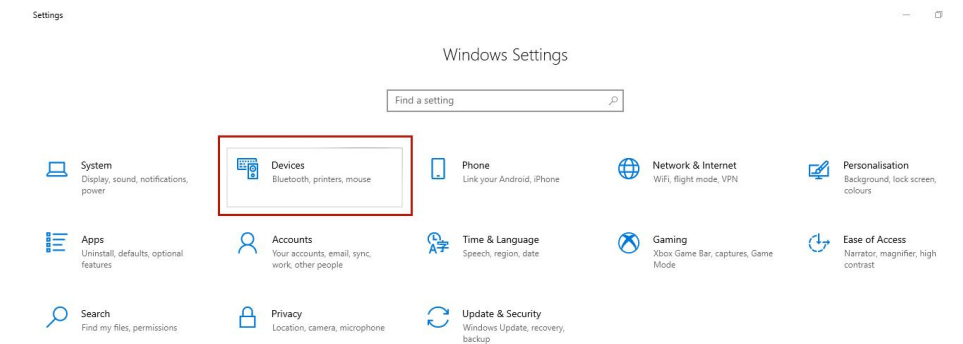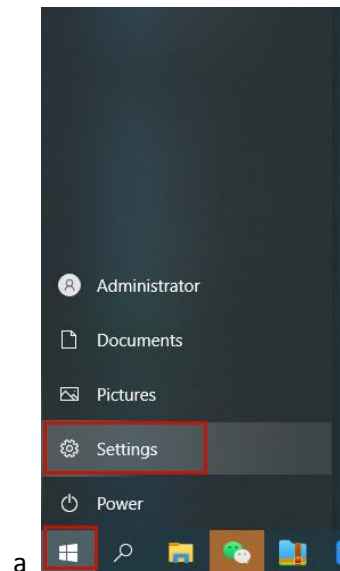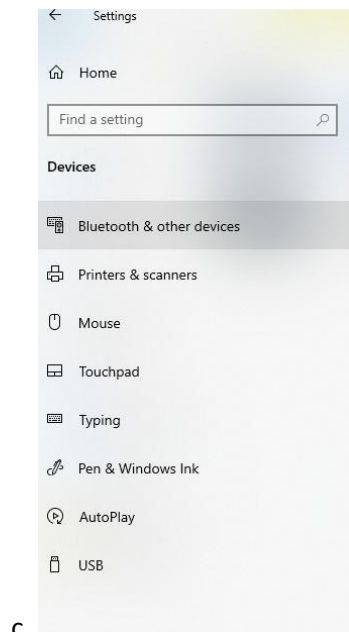
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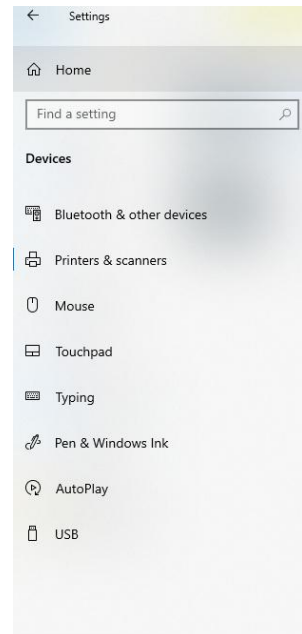
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B) Select **Add a printer using a TCP/IP address or hostname**, click **NEXT.** Fill in IP address of your print server record (refer to your IP get in step 5.1.2), click **NEXT**. Wait for "Detecting TCP/IP port", Click **Customs' Setting**, fill in port number **9101 or 9100** (it depend on which Print Server USB port is connecting with Printer, refer to step 5.1.2), then click **OK**, Click **Next**.

a

← 🖨 Add Printer

Find a printer by other options

○ My printer is a little older. Help me find it.

○ Select a shared printer by name

[   ]   Browse...

Example: \\computername\printername or
http://computername/printers/printername/.printer

◉ Add a printer using a TCP/IP address or hostname

○ Add a Bluetooth, wireless or network discoverable printer

○ Add a local printer or network printer with manual settings

[Next] [Cancel]

b

← 🖨 Add Printer

Type a printer hostname or IP address

Device type: Autodetect   ▼

Hostname or IP address: 192.168.1.248

Port name: 192.168.1.248

☑ Query the printer and automatically select the driver to use

This IP is example,
you need fill in
your IP get in step 5.1.2

[Next] [Cancel]

c

← 🖨 Add Printer

Detecting TCP/IP port

Detecting the TCP/IP port...
Windows will automatically move to the next page when the detection is complete.

[Next] [Cancel]

d

← 🖨 Add Printer

Additional port information required

The device is not found on the network. Make sure that:

1. The device is turned on.
2. The network is connected.
3. The device is properly configured.
4. The address on the previous page is correct.

If you think that the address is not correct, click Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure that the address is correct, select the device type below.

┌─ Device Type ──────────────────────────────────┐
│ ○ Standard   Generic Network Card   ▼ │
│   │
│ ◉ Custom   [Settings...]   │
└───┘

[Next] [Cancel]

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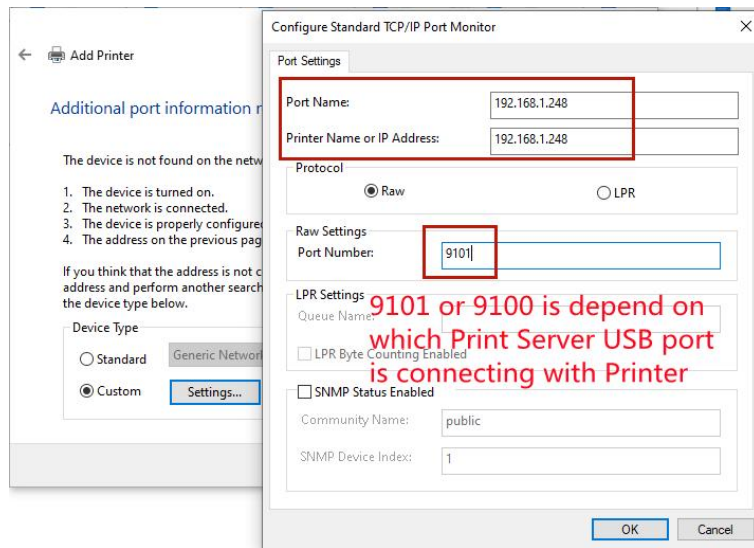
e
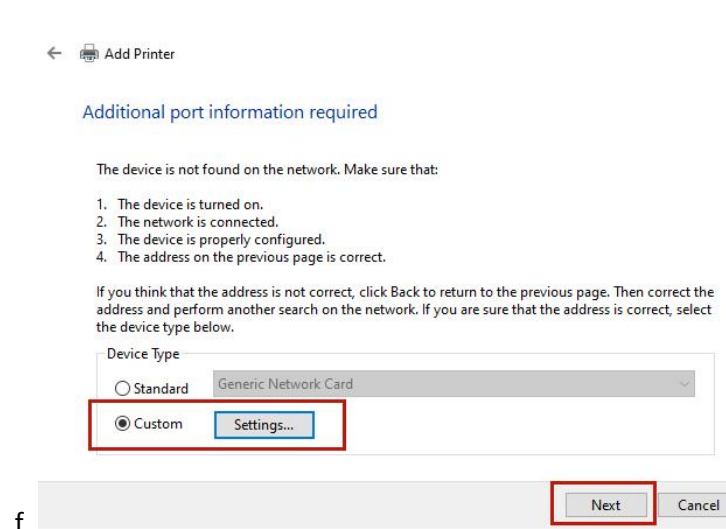
f

C) Wait for "Detecting TCP/IP port" again. Select your printer model, click **Next.** Select "**Use the driver that is currently installed (recommended)**", Set a name for this networked printer, Select "**not to share this printer**", then send the print test and check in Printer & Scanner list it is success to add printer. DONE.

a

← 🖨 Add Printer ✕

Detecting the driver model...

Windows is communicating with the printer and will automatically detect the printer driver to use.

🔍

Next   Cancel

b

← 🖨 Add Printer ✕

Install the printer driver

Choose your printer from the list. Click Windows Update to see more models.

To install the driver from an installation CD, click Have Disk.

Manufacturer	Printers
AnyDesk	🖨 Canon MG2500 series Printer
Canon	
Generic	
Microsoft	

You need select your printer model

🖳 This driver is digitally signed.   Windows Update   Have Disk...

Tell me why driver signing is important

Next   Cancel

c

← 🖨 Add Printer ✕

Which version of the driver do you want to use?

Windows detected that a driver is already installed for this printer.

◉ Use the driver that is currently installed (recommended)
○ Replace the current driver

Next   Cancel

d

← 🖨 Add Printer ✕

Type a printer name

Printer name: Canon MG2500 series Printer (Network Printer)

This printer will be installed with the Canon MG2500 series Printer driver.

Next   Cancel

25

e

f

g

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➢ Use "Printer HTTP Link" to add printer (Not recommended, unless"TCP/IP Port" is not work)

A) Click computer **Start > Setting > Devices > Add a printer or scanner > Click "The printer i want isn't listed"**
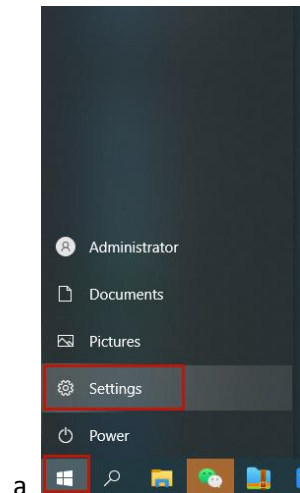
a
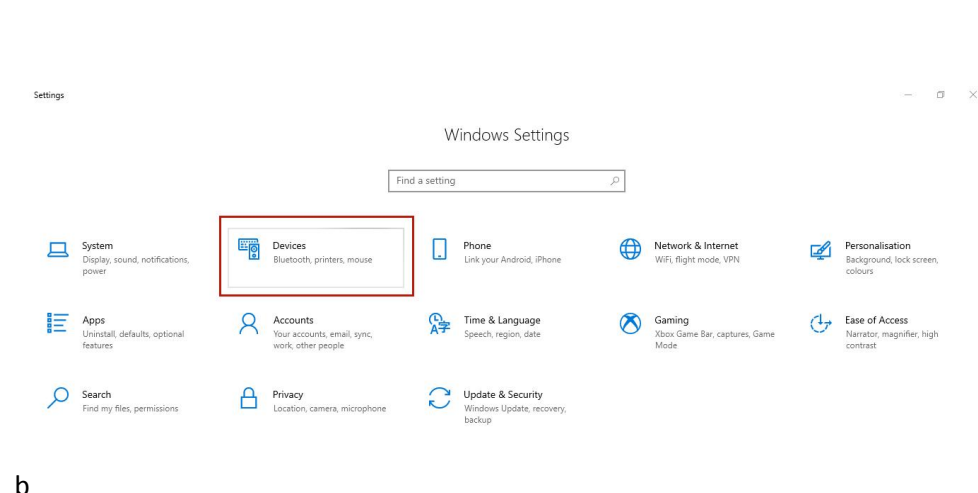
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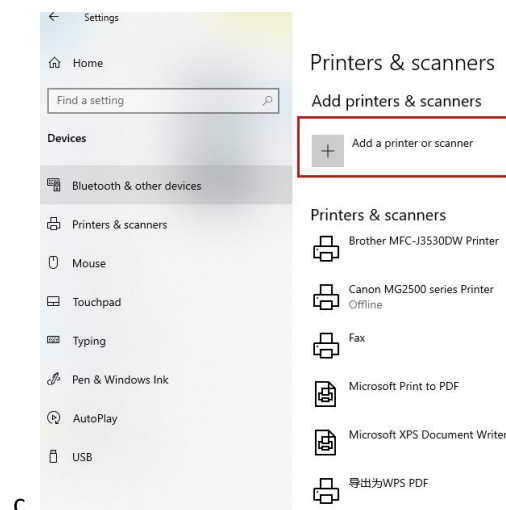
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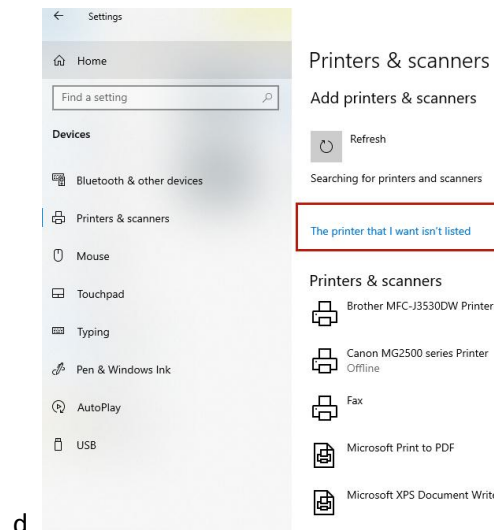
d

B) Select **"a shared printer by name"**, paste HTTP path (refer to 5.1.2 to get your printer path), click **NEXT**. Select your printer model, click **OK**. Networked printer name is default, it can not changed. Send the print test and check in Printer & Scanner list it is success to add printer. DONE.

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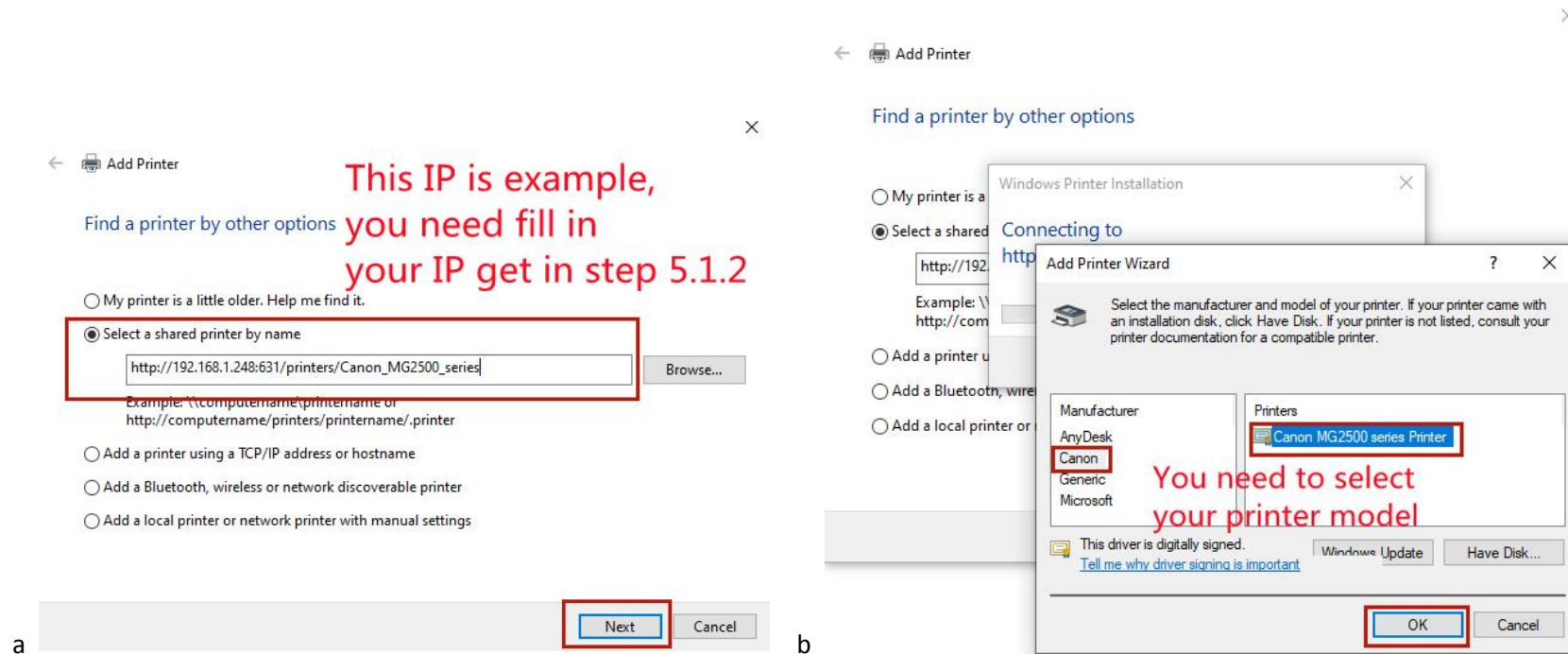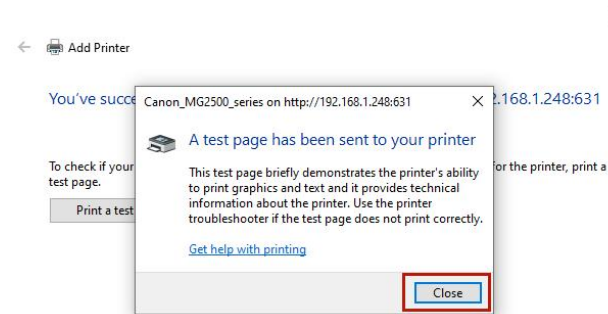
5.2.2 Add printer in Mac (If you use Windows PC, this step can be ignored, go to 5.2.1)

➢ Use "TCP/IP Port" to add printer

A) Click Setting, select **Prints & Scanners**, Click **"+"** to add printer.
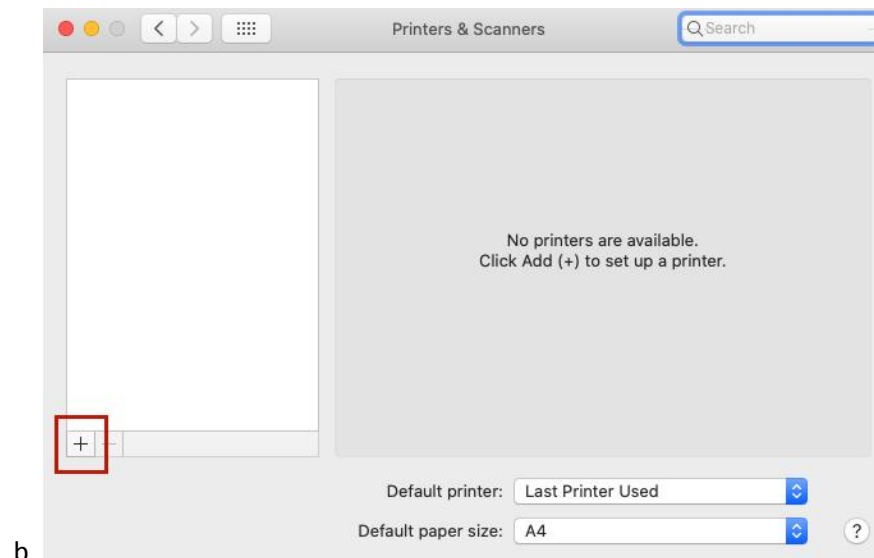
a   b

B) Select **IP**, Fill in your print server's "IP:Port" (refer your ip get in step 5.1.2) in "**Address**", **Protocol** select "**HP Jetdirect - Socket**" (not support other protocol). Click **Use** to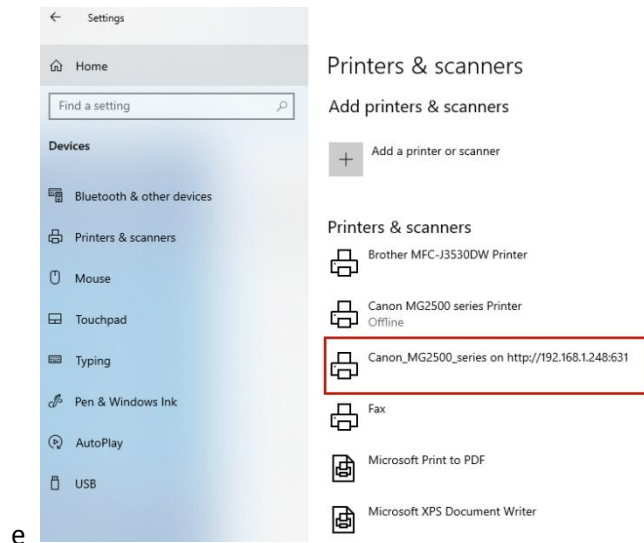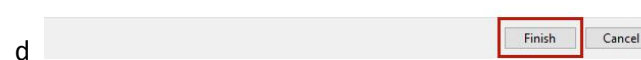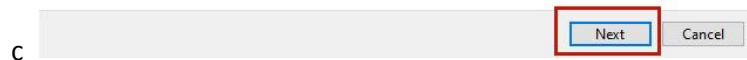 search and select your printer model (You can also try choosing generic PostScript or PCL printer software from the pop-up menu, depending on your printer type.), then "**add**" to add printer successfully. DONE.

If the driver selection is wrong and there is an exception, it will prompt that the network printer cannot be added normally.
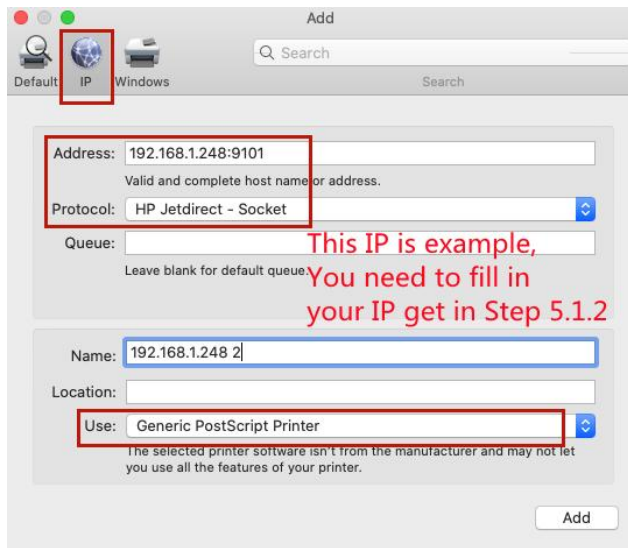
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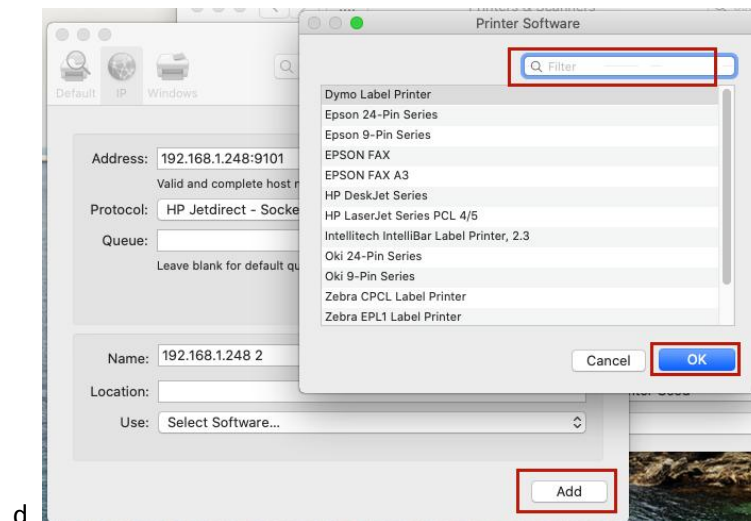
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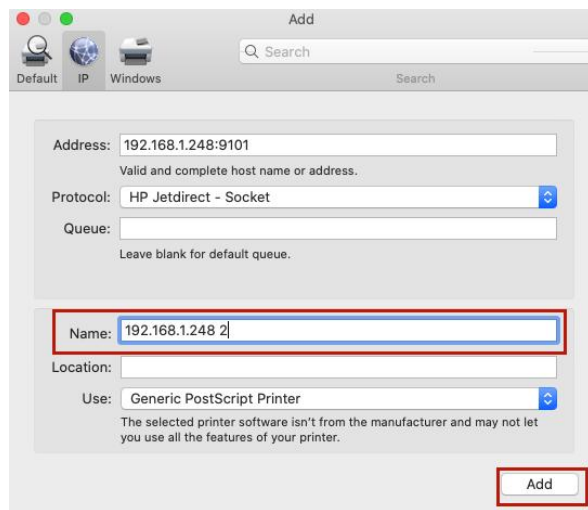
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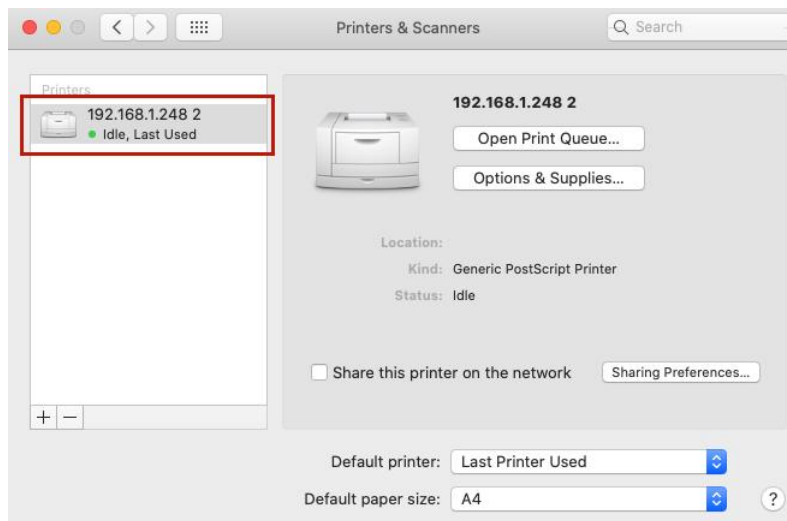
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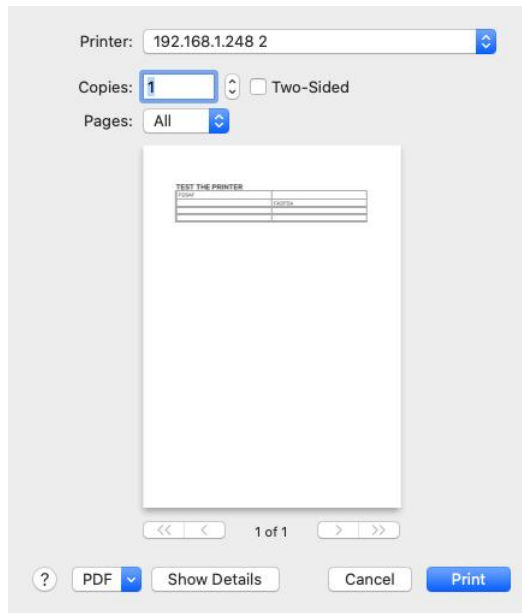
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- ➢ Use "Printer HTTP Link" to add printer
- A) Click Setting, select **Prints & Scanners**, Click **"+"** to add printer.
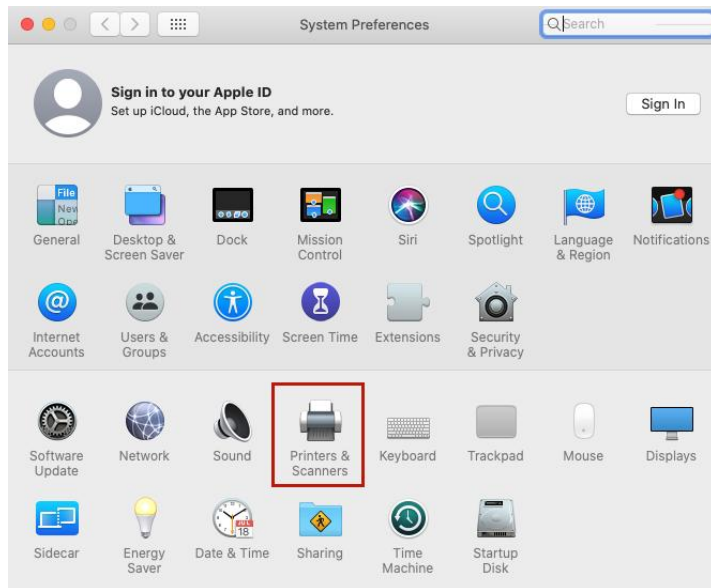
a
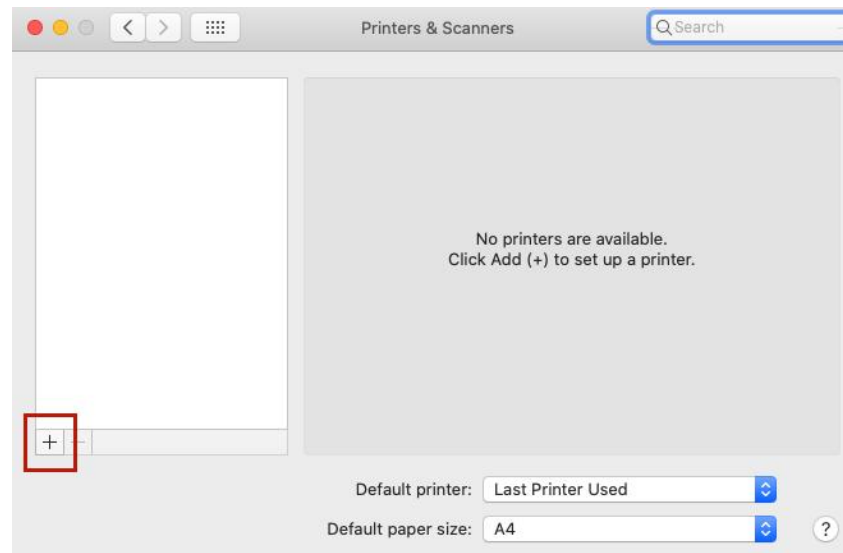
b

B) Click **Advanced** button.

✓   If the Advanced button does not exist on the tool bar, you will need to add it. In order to add the Advanced button, move the mouse over to the tool bar and press the Control key while pressing the mouse button/track pad. This should bring up a menu, please select the option for Customize Toolbar.
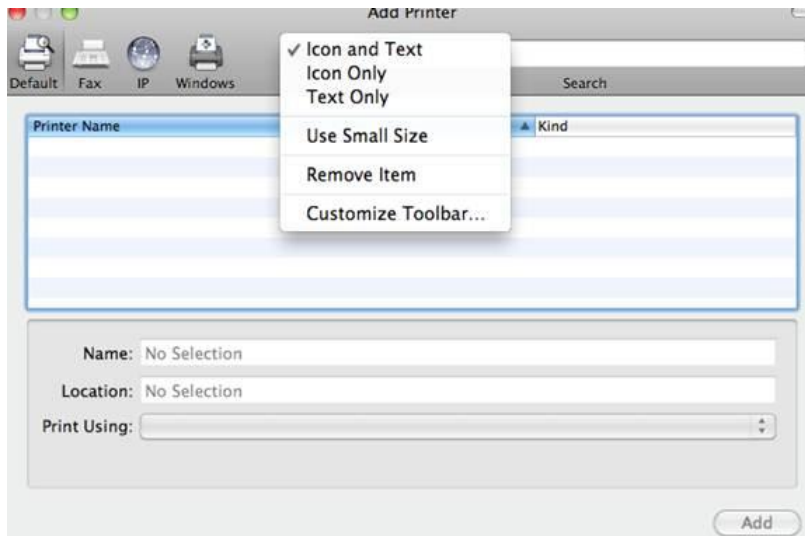
✓ Adding the Advanced button is a simple matter of dragging the Advanced gear icon, from the selection menu, to the tool bar.
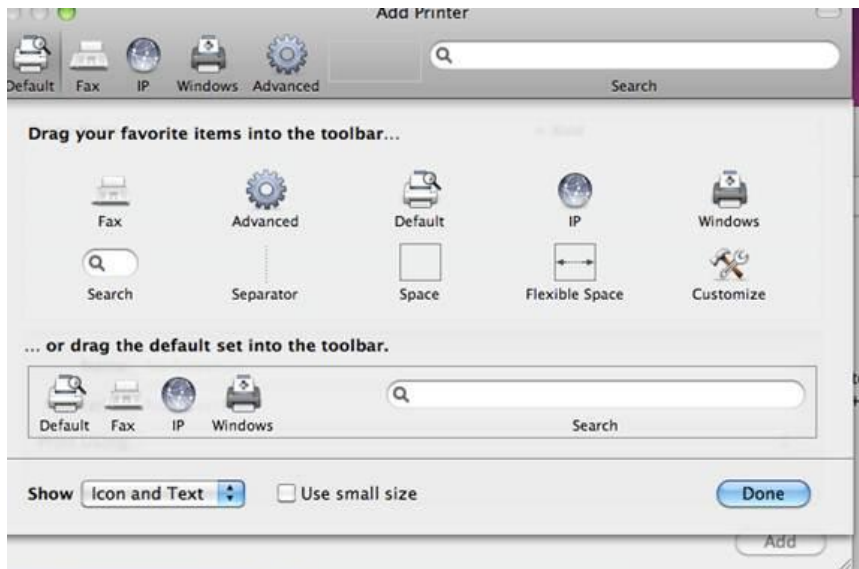
C) Click on the **Type** pull down menu, and choose "**Internet Printing Protocol (http)**" from the selection. Fill in printer's http link in "**URL**" (refer to your printer link get in step 5.1.2).

Click **Use** to search and select your printer model (You can also try choosing generic PostScript or PCL printer software from the pop-up menu, depending on your printer type.), then "**add**" to add printer successfully. DONE.

If the driver selection is wrong and there is an exception, it will prompt that the network printer cannot be added normally.

a

b
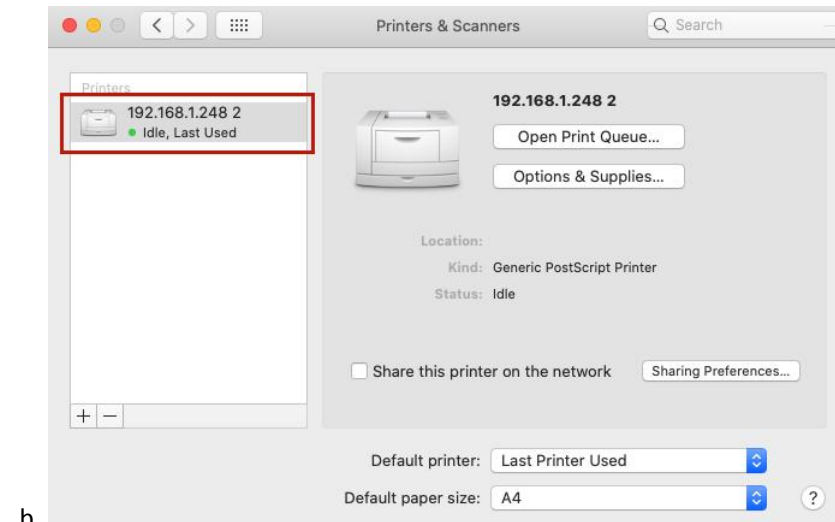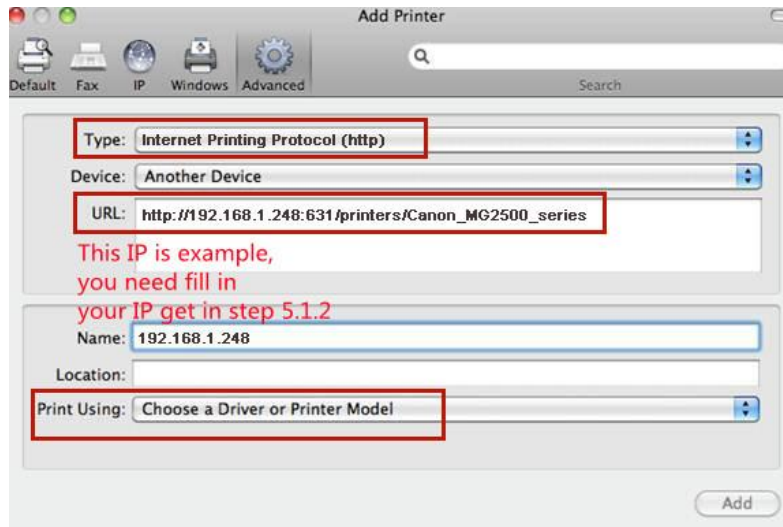
6. Customer Service

If you have any question or need any assistance during the print server usage. Please feel free to contact us via our skype/email: cheecent@outlook.com, we will try to respond to you as soon as we can.

Warning:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However. there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

--Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver

--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be

installed and operated with minimum distance of 20cm the radiator your body. This device

and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

ISED Canada Statement:
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation,
Science and Economic Development Canada 's licence exempt RSS(s). Operation is subject to the
following two conditions:
1) this device may not cause interference and
2) this device must accept any interference, including interference that
may cause undesired operation of the device.
Radiation Exposure: This equipment complies with Canada radiation
exposure limits set forth for an uncontrolled environment
To maintain compliance with IC's RF Exposure guidelines, This
equipment should be installed and operated with minimum distance of
20cm the radiator your body. This device and its antenna(s) must not be
co-located or operation in conjunction with any other antenna or
transmitter

Déclaration de l'ISED Canada :
Cet appareil contient des émetteurs / récepteurs exempts de licence qui sont conformes aux RSS exemptes de licence
d'Innovation, Sciences et Développement économique Canada. L'opération est sous réserve des deux conditions
suivantes :
1) cet appareil ne peut pas causer d'interférences et
2) ce dispositif doit accepter toute interférence, y compris
peut provoquer le fonctionnement indésirable de l'appareil.
Exposition aux rayonnements : Cet équipement est conforme aux radiations du Canada
limites d'exposition pour un environnement incontrôlé Pour maintenir la conformité avec les lignes directrices d'exposition RF d'IC, ceci
L'équipement doit être installé et exploité à une distance minimale de
20cm le radiateur de votre corps. Ce dispositif et ses antennes ne doivent pas l'être
Le fonctionnement est associé à toute autre antenne
émetteu