



# **POS Printer**

**TP3260**

## **Wi-Fi Operation Manual**

Rev.1.3

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# 1. Manual Information

This Wi-Fi Operation Manual provides information on POS printer's Wi-Fi settings.

We maintain ongoing efforts to enhance and upgrade the functions and quality of all our products. Product specifications or user manual content may be changed without prior notice.

## 2. Instruction Before Wi-Fi Setting

1) Printers with the Wi-Fi module, when the printer is powered on, the power indicator is flashing. After 8-9 seconds when the printer is ready, the power indicator will remain constant light.

2) To set up on a web page or tool after connecting to Wi-Fi, you need to get printer IP information, which can be obtained in the following two ways:

- Press the FEED button of the printer without releasing, then press the power button to turn on the printer, when the printer begins to print the self-test page, release the FEED button. Check the IP information in the self-test page.

- For POS80D (with built-in Wi-Fi module), Shortly press the power button of the printer 3 times, the printer would print out the IP information automatically;

For other models of POS printers (with external Wi-Fi module), shortly press the Function/Reset Button (at the interface board) for three times, and the printer would print out the IP information automatically.

3) The Wi-Fi parameters of the printer can be set on web page or the tool of the printer.

- Set on web page

The following browsers are recommended: 360, IE and Firefox.

- Set on the Utility tool of the printer

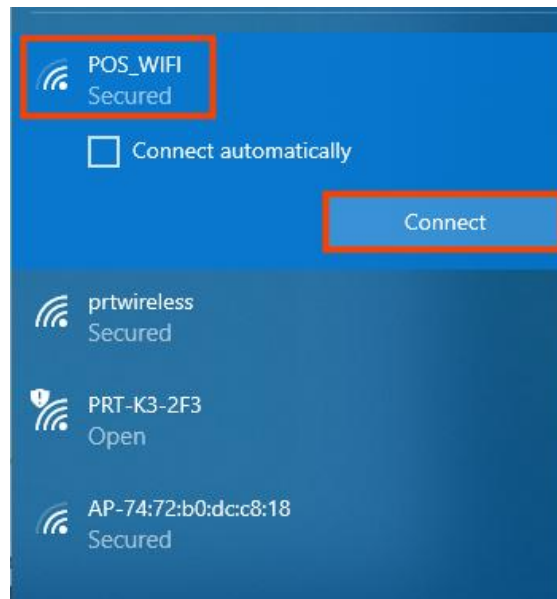
Please find the Utility tool installation package in the CD. Regarding the installation method of Utility Tool, please refer to the utility tool manual which is also included in the CD.

4) The printer Wi-Fi can connect with three upper devices at the same time in AP mode, and the default IP address in AP mode is 192.168.1.1.

The printer Wi-Fi can connect with five upper devices at the same time in STA mode.

### 3. Connect Printer to Master Device Through Wi-Fi

1) Turn on the printer which is defaulted as AP mode. In the master device, select and click “Connect” at “POS\_WIFI” hot-spot in the list of the wireless network connection. Type in the password (the default password is 12345678), and the “POS\_WIFI” is successful connected.

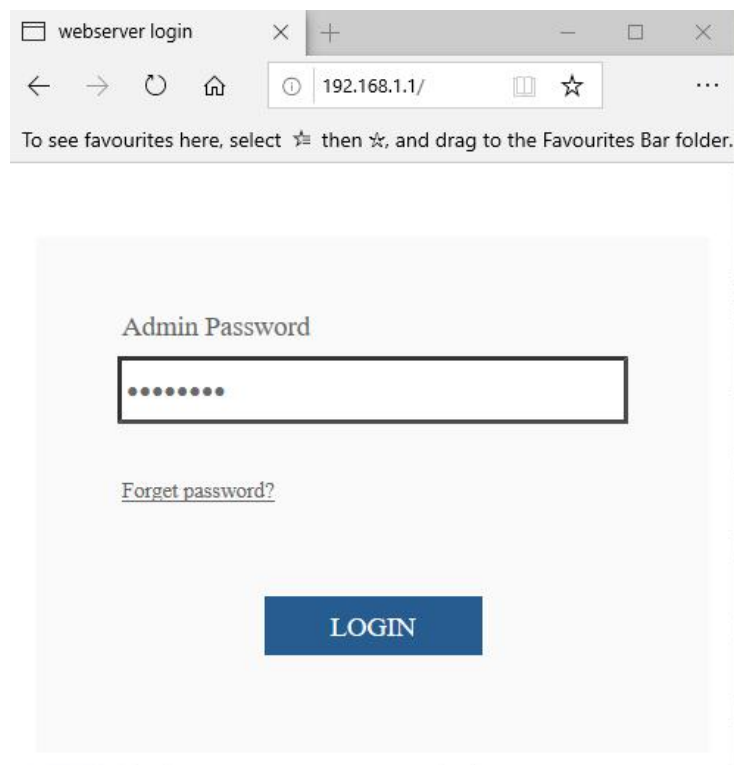


2) After the printer is successfully connected to the master device through Wi-Fi, the terminal software can be communicated through the default IP:192.168.1.1.

## 4. Shift Wi-Fi Mode / Set Parameters Through Web or Utility Tool

### 4.1 Shift Wi-Fi Mode / Set Parameters Through Web

1) After the printer is successfully connected to the master device through Wi-Fi, open the browser and type in the IP address 192.168. 1.1 to enter into the printer setup interface, type in the password (The default password is 12345678).



2) Click “Login” and enter into the following interface. In the master right corner, you can switch the languages of the displayed interface.

MID	F11AMIM13_B4
Software Version	V4.0.7_T1
WiFi Work Mode	AP
AP mode	
SSID	POS_WIFI
IP Address	192.168.1.1
MAC Address	88:83:5d:e4:de:13
STA Mode	
Router SSID	
Signal Strength	
IP Address	
MAC Address	

3) In “Work Mode”, Change the AP mode to STA mode, click “Save”, but don’t restart the printer.

Select Mode

Select Mode

AP mode

STA mode

Save

4) Enter into “STA Setting”, click “Scan”, select the wireless internet that you want to connect to. For example, select “prtwireless” and click “OK”, then type in the password of this wireless internet, select “Enable” in “Obtain an IP address automatically”, and click “Save”.

System  
AP Setting  
**STA Setting**  
Work Mode  
Other Setting  
Account  
Upgrade SW  
Restart  
Restore

Network Name (SSID) POS\_WIFI **Scan**  
Note: case sensitive  
Encryption Method WPA2PSK  
Encryption Algorithm AES  
Password .....  
Show passwords  
Obtain an IP address automatically Enable  
IP Address 192.168.1.80  
Subnet Mask 255.255.255.0  
Gateway Address 192.168.1.1  
Save

System  
AP Setting  
**STA Setting**  
Work Mode  
Other Setting  
Account  
Upgrade SW  
Restart  
Restore

Please select your current wireless network

	SSID	BSSID	RSSI	Channel
<input checked="" type="radio"/>	prtwireless	50:64:2b:1f:8d:df	-61	2
<input type="radio"/>	PRT-K3-2F3	c0:61:18:3f:77:92	-71	6
<input type="radio"/>	DIRECT-eU-CP4000	d2:c5:d3:1b:ef:ab	-71	11
<input type="radio"/>	DIRECT-Xt-CP4000	d2:c5:d3:7e:68:63	-73	11
<input type="radio"/>	Prttech	d4:c8:b0:21:0a:21	-79	6
<input type="radio"/>	ePrint	d4:c8:b0:21:0a:24	-79	6
<input type="radio"/>	Public	d4:c8:b0:21:0a:20	-81	6
<input type="radio"/>	PRT-WLAN	d4:c8:b0:21:0a:23	-83	6
<input type="radio"/>	YUN100_0981	2c:73:60:16:94:59	-87	6
<input type="radio"/>	PrinterAP-S19210001	2e:73:60:28:11:19	-87	6
<input type="radio"/>	TEXT	18:81:0e:e6:9c:ec	-89	11
<input type="radio"/>	EC	cc:08:fb:91:a1:6c	-95	11

**OK** Refresh

System  
AP Setting  
**STA Setting**  
Work Mode  
Other Setting  
Account  
Upgrade SW  
Restart  
Restore

Network Name (SSID)  
Note: case sensitive

prtwireless
Scan

Encryption Method
WPA2PSK

Encryption Algorithm
AES

Password
Show passwords

Obtain an IP address automatically
Enable

IP Address
192.168.1.80

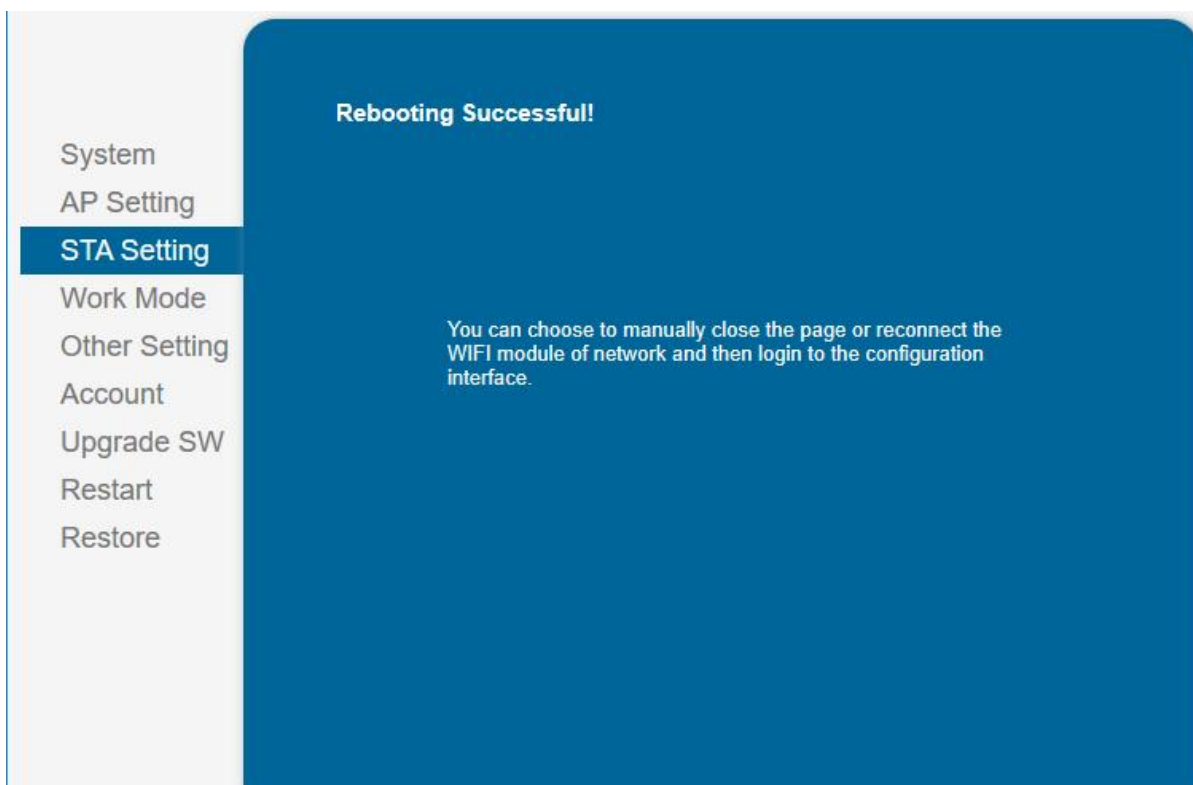
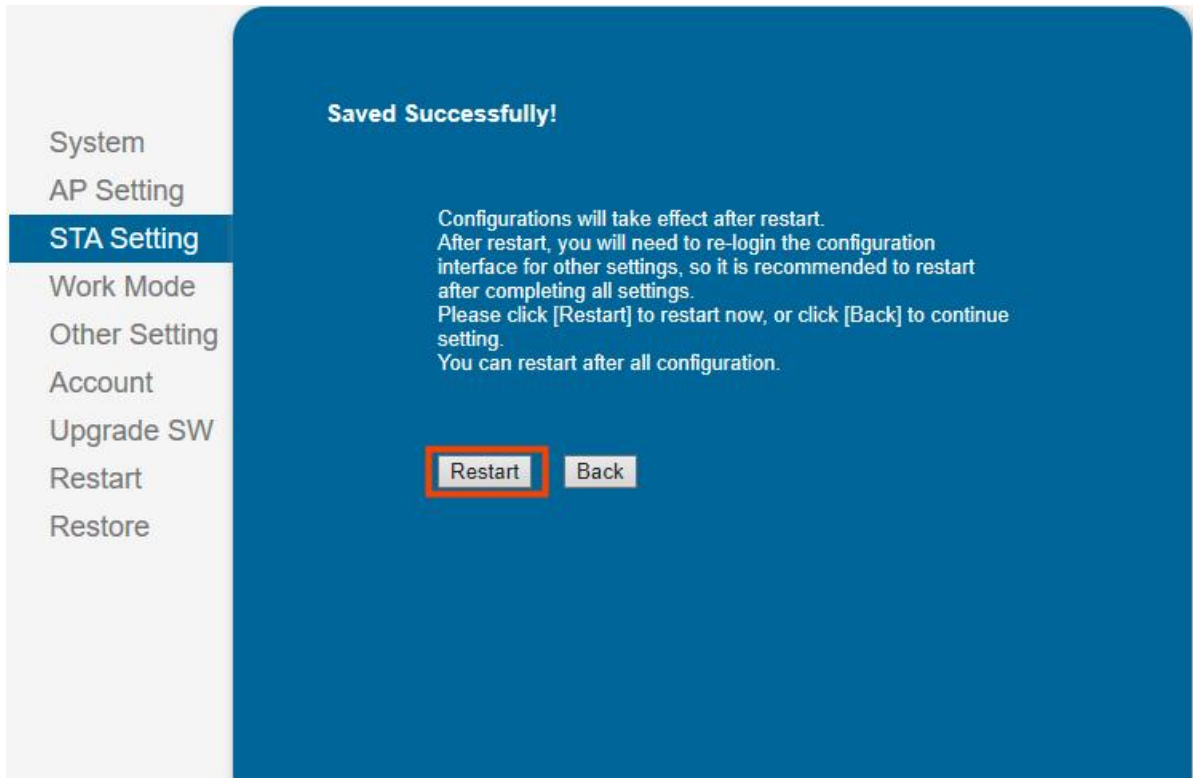
Subnet Mask
255.255.255.0

Gateway Address
192.168.1.1

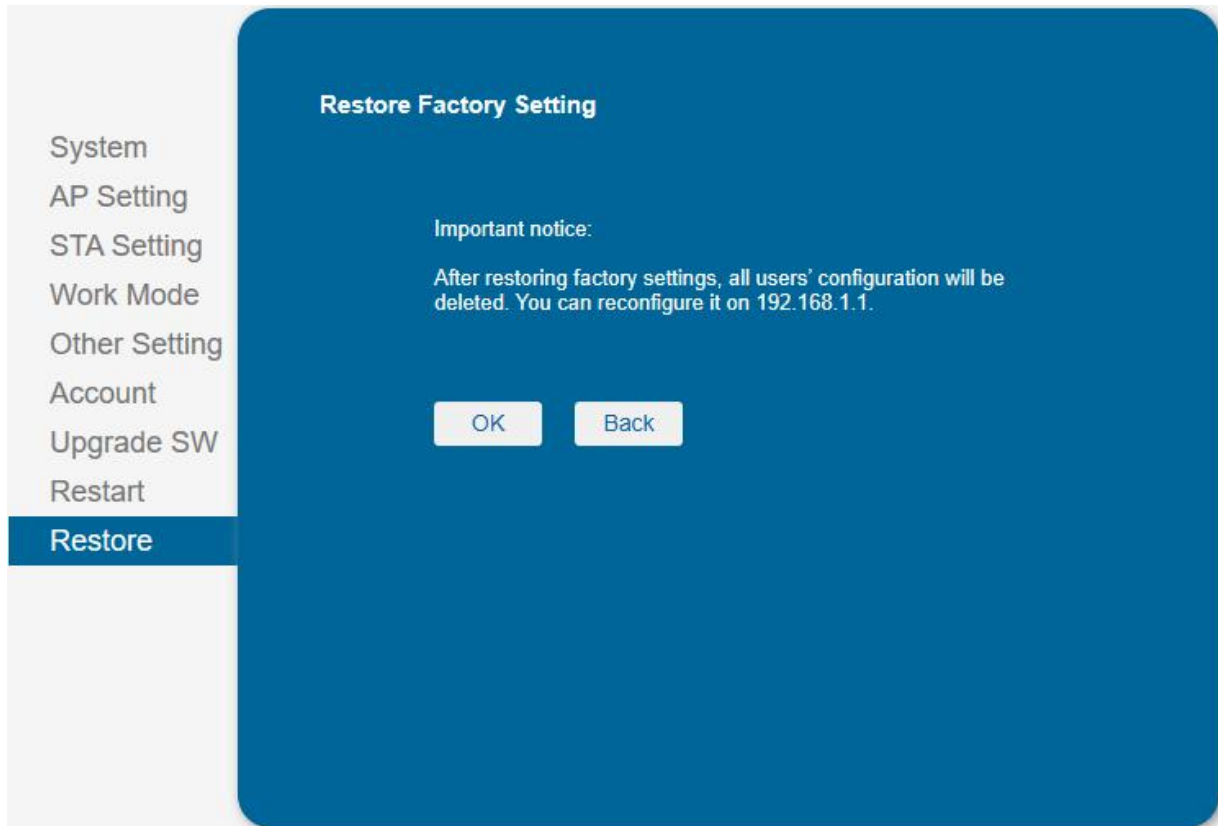
Save



5) Click "Restart", When the interface appears "Rebooting Successful!", manually restart the printer, so the STA setting is effective.



6) Click "OK" in "Restore", then manually restart the printer, so the restore factory setting is effective.



### Notes:

- 1) In the above setting process, wait until all the parameters are set before restarting the printer.
- 2) Wi-Fi settings do not take effect until the printer has been restarted

## 4.2 Shift Wi-Fi Mode / Set Parameters Through Utility Tool

Take POS80D as an example in the following steps. All the settings are effective only on the printers with Wi-Fi function.

The image shows a 'WIFI Config' dialog box with the following fields and controls:

- Module MAC: [Text Field]
- Module Version: [Text Field]
- Host Name: [Text Field]
- Wifi Mode: [Dropdown Menu]
- SSID: [Text Field]
- DHCP: [Dropdown Menu]
- IP Address: [Text Field]
- Password: [Text Field]
- ☐ Show password
- Buttons: Read, Set (highlighted with a blue border), Restore Factory Setting
- Scan button (located near the SSID field)

1) Click "Advanced Settings"-> "Wi-Fi Setting" in Utility Tool, click "Read" to obtain the current status of printer.



2) WiFi Module supports AP mode and STA mode, and default as AP mode.

- Under AP mode, printer will be used as a wireless access point, computer or other mobile devices can connect to this Wi-Fi.

The screenshot shows a 'WiFi Config' window with the following fields and controls:

- Module MAC:** 88:83:5D:E4:DF:C4
- Module Version:** 4.0.8
- Host Name:** printer\_sta
- Wifi Mode:** AP (dropdown menu)
- SSID:** POS\_WIFI
- IP Address:** 192.168.1.1
- Password:** (masked with asterisks)
  - ☐ Show password
- Buttons:** Read, Set, and Restore Factory Setting.

<b>Module Version</b>	Current Module Version
<b>WiFi Mode</b>	Supports “AP” mode and “STA” mode, and default as “AP” mode
<b>SSID</b>	Modifiable, default as “POS_WIFI”
<b>IP Address</b>	Modifiable, default as “192.168.1.1”

If it's necessary to modify SSID and IP address, click "Set" after modifying, then restart the printer.

WIFI Config

Module MAC:

88:83:5D:E4:DF:C4

Module Version:

4.0.8

Host Name:

printer\_sta

Wifi Mode:

AP

SSID:

POS\_WIFI

IP Address:

192.168.1.1

Password:

\*\*\*\*\*

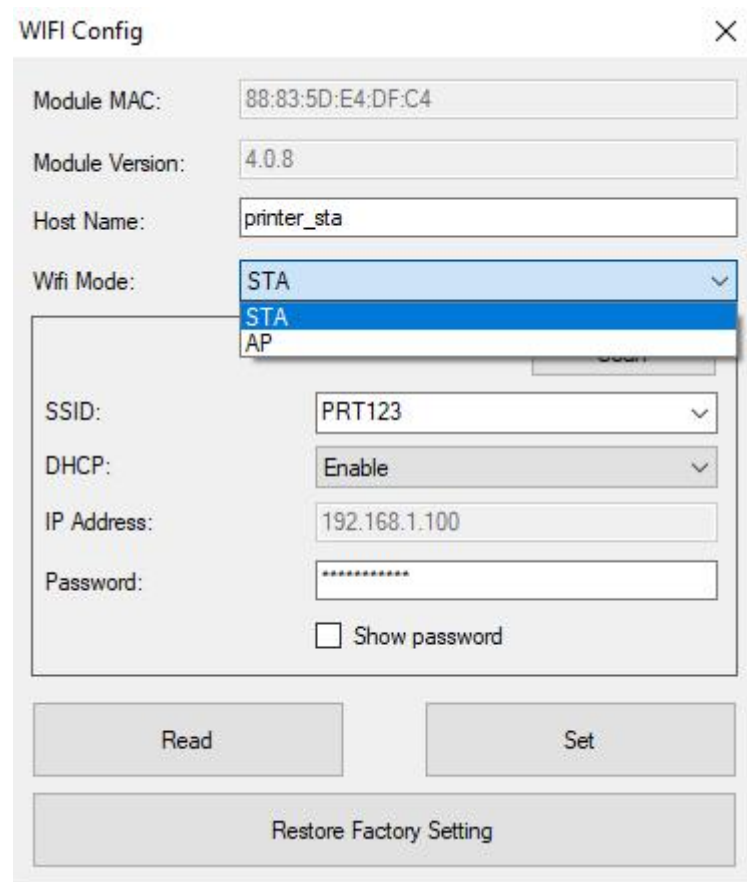
☐ Show password

Read

Set

Restore Factory Setting

- Change from AP mode to STA mode.
  - Choose STA under Wi-Fi mode, the interface is shifted to the following screenshot:



The screenshot shows the 'WIFI Config' window with the following fields and controls:

- Module MAC:** 88:83:5D:E4:DF:C4
- Module Version:** 4.0.8
- Host Name:** printer\_sta
- Wifi Mode:** A dropdown menu is open, showing 'STA' as the selected option. Other visible options are 'STA' and 'AP'.
- SSID:** PRT123
- DHCP:** Enable
- IP Address:** 192.168.1.100
- Password:** A masked field with asterisks.
- ☐ Show password
- Buttons:** Read, Set, and Restore Factory Setting.

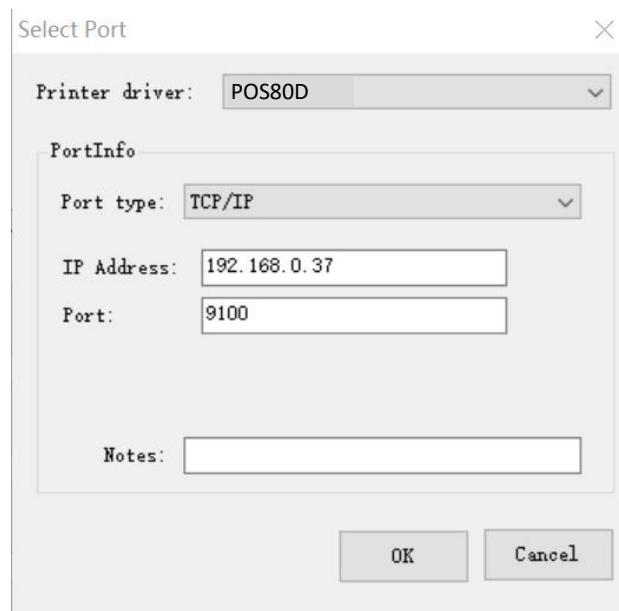
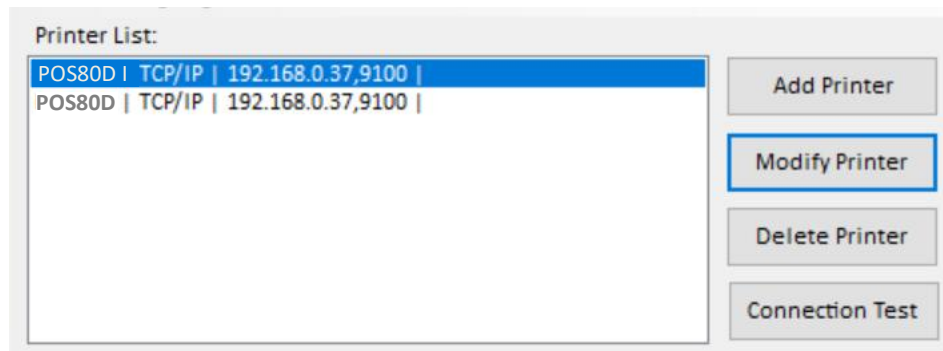
- Click “Scan”, choose a connectable “hot spot” from SSID options. type in the password of Wi-Fi that you want to connect to.
- Click “Set”. After it is set successfully, the printer would restart automatically.

The screenshot shows the 'WIFI Config' window with the following fields and buttons:

- Module MAC:** 88:83:5D:E4:DF:C4
- Module Version:** 4.0.8
- Host Name:** printer\_sta
- Wifi Mode:** STA (dropdown menu)
- Buttons:** Scan (highlighted with a red box), Read, Set (highlighted with a red box), and Restore Factory Setting.
- SSID:** PRT123 (dropdown menu, highlighted with a red box)
- DHCP:** Enable (dropdown menu)
- IP Address:** 192.168.1.100
- Password:** \*\*\*\*\* (text field, highlighted with a red box)
- Show password:** ☐ (checkbox)

<b>SSID</b>	The SSID name that is chosen after scanning “hot spot”
<b>DHCP</b>	Enable/Disable dynamic allocation of IP
<b>IP Address</b>	When DHCP is at Enable status, IP address will be allocated automatically, no need to do the setting; When DHCP is at Disable status, IP address must be set to the same LAN with the Wi-Fi that you connect to

- After the printer is restarted, short press the power button 3 times, so that the current Wi-Fi parameter information can be printed.
- After completing the setting, connect the computer to the Wi-Fi that the printer connects to, click “Modify Printer”, choose “TCP/IP”, and set the IP address the same as the printer’s IP address, then click “OK”. **(Following Screenshot takes POS80D as an example)**



- Click “Connection Test” to check if the setting is successful.







**Note:** When the printer is failed to connect with its master devices, please check if the settings are correct, and please check if the master devices and the printer are on the same network segment. When parameter setting error occurs, which leads to the failed connection, please reset the Wi-Fi parameter by the following way 1) or 2):

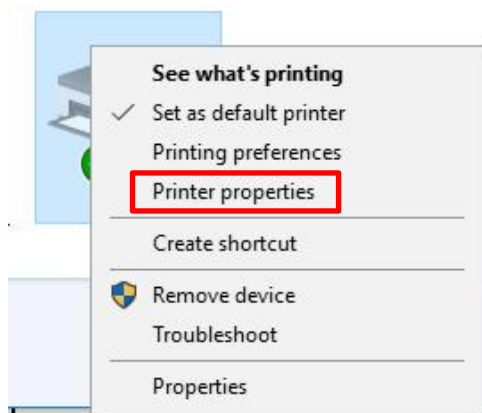
- 1) For POS80D or POS80H (with built-in Wi-Fi module), shortly press the power button five times, so that the Wi-Fi parameter would be reset;**
- 2) For other models of POS printers (with external Wi-Fi module), shortly press the Function/Reset Button (at the interface board) for five times, and the Wi-Fi parameter would be reset.**

## 5. Use Printer Driver Through Wi-Fi Connection

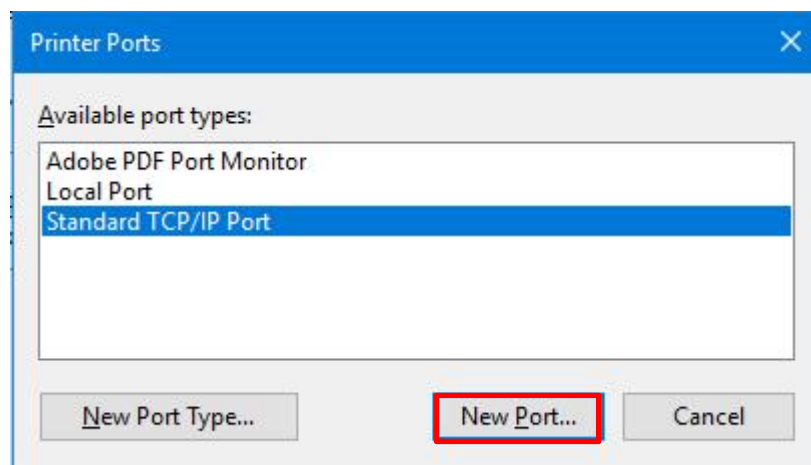
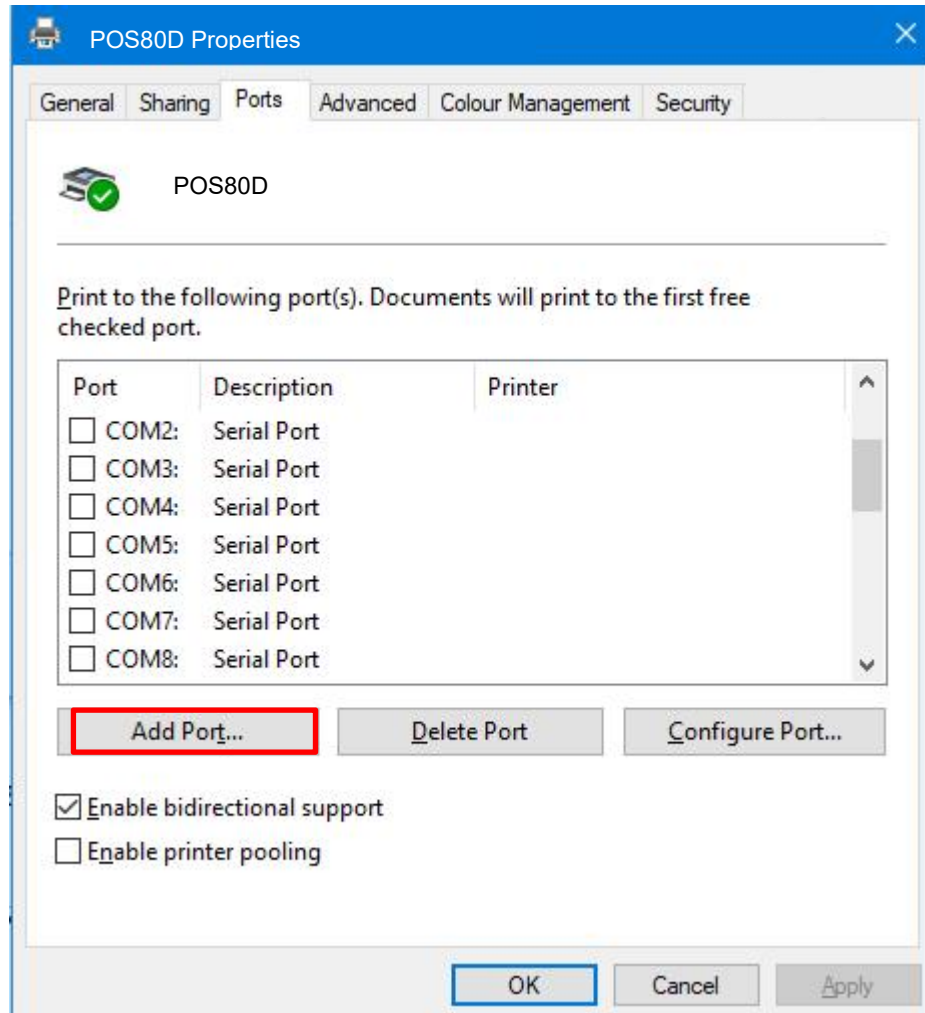
- 1) In Utility Tool or Web, set the printer Wi-Fi to STA mode, and connect the printer to the available Wi-Fi nearby. ( Regarding the setting detail, please refer to Chapter 3 and 4 )
- 2) In the list of the wireless network connection of the master device, find and connect to the same Wi-Fi that the printer is connecting to.
- 3) Install the printer Driver (take POS80D as an example) in the master device. ( Please refer to the Driver Manual which is included in the CD )
- 4) In the master device, click “Start”——“Settings”——“Device”——“Device and Printers” (take Windows 10 operation system as an example) to find the icon of the printer driver POS80D that you just installed.



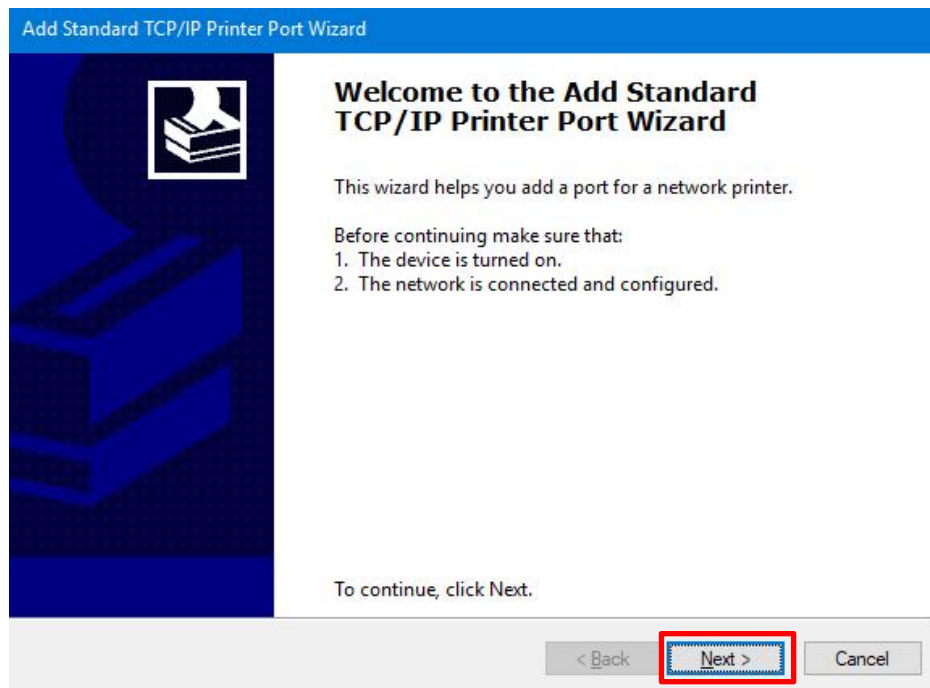
- 5) Right click the icon, choose “Printer Properties”.



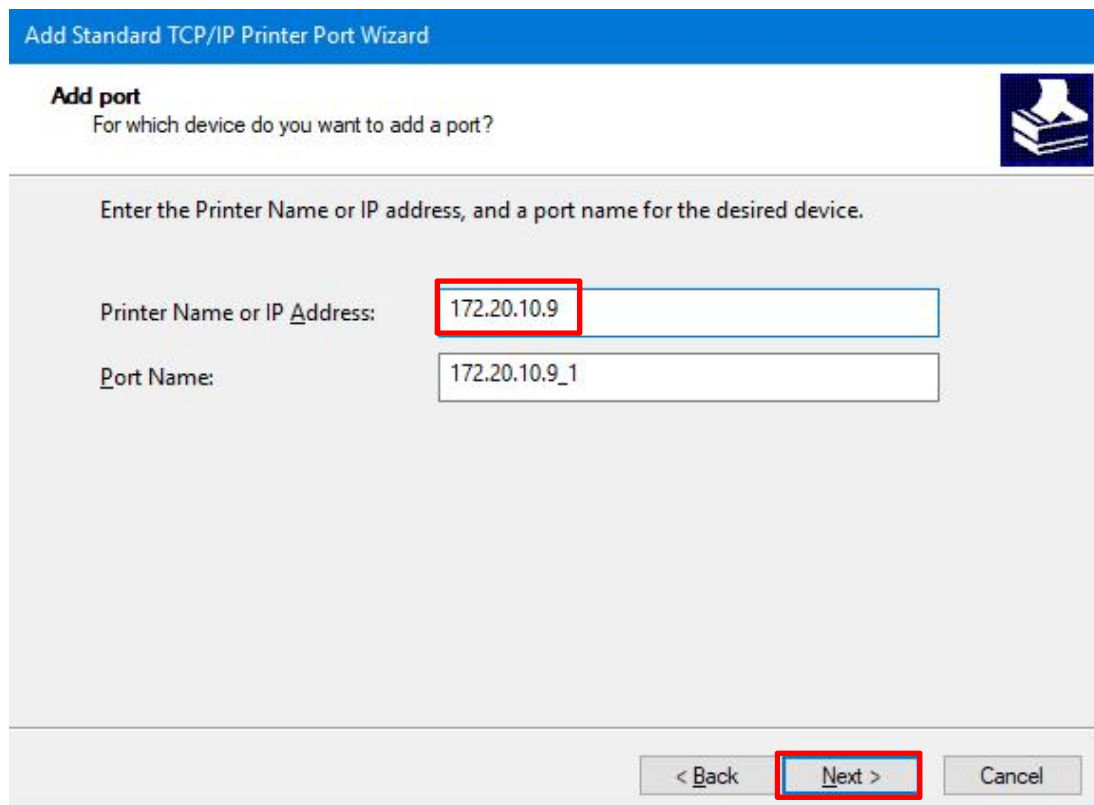
6) Under the function “Ports”, click “Add Port”. In “Printer Ports”, choose “Standard TCP/IP Port”, and click “New Port”.



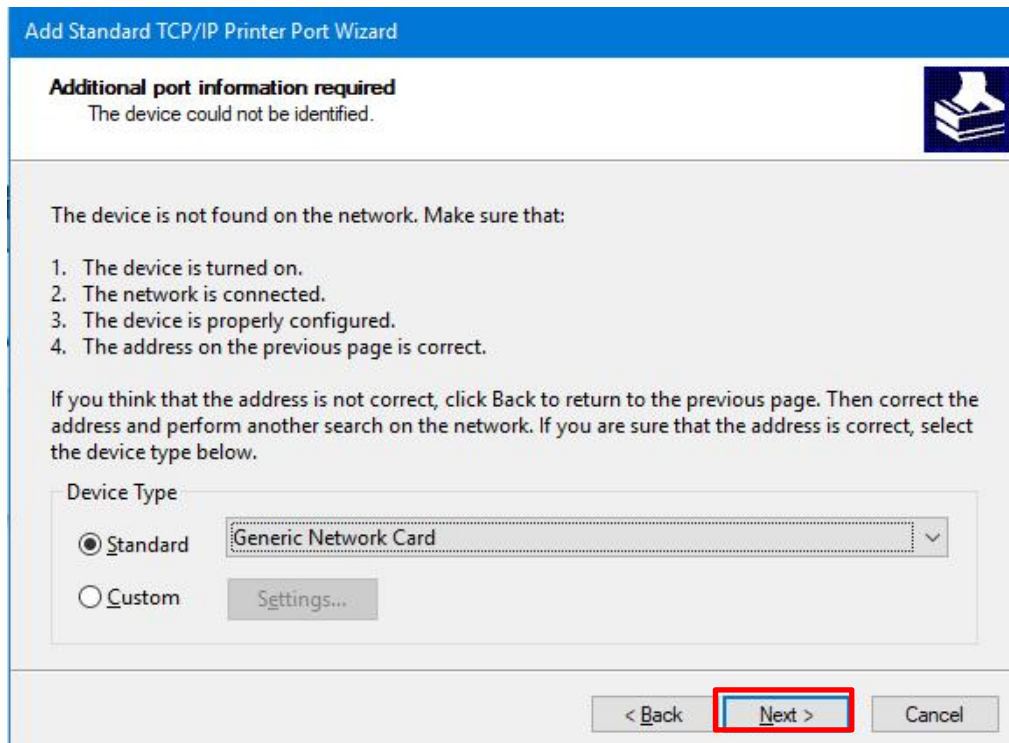
7) Click "Next".



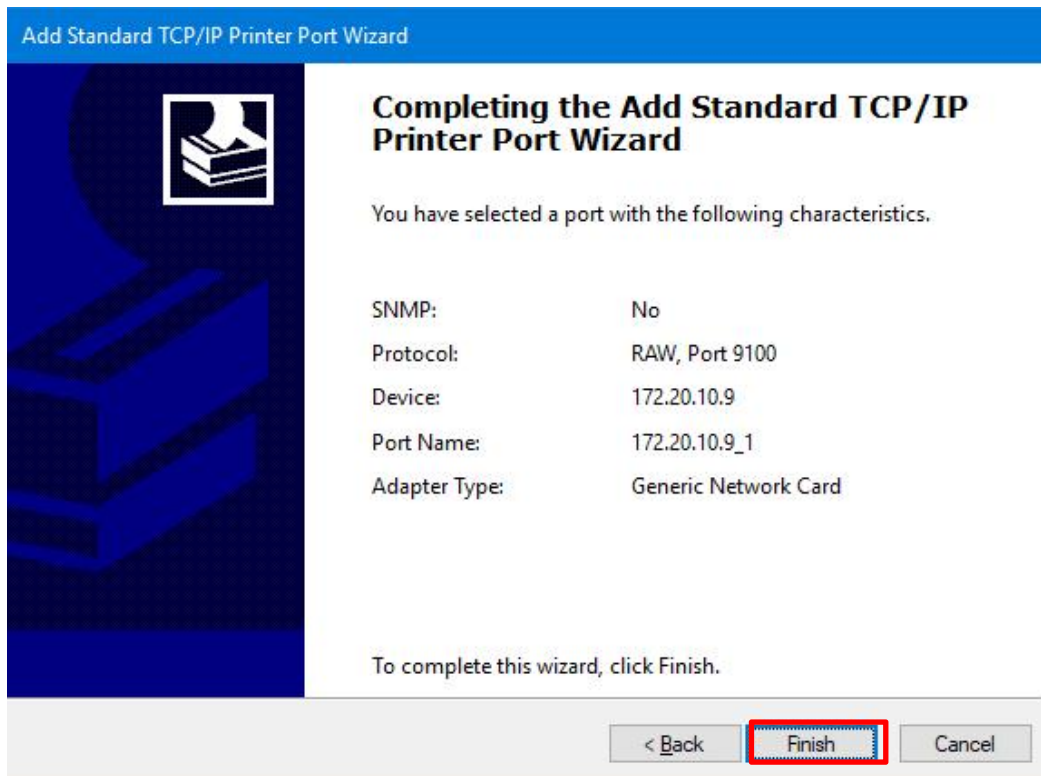
8) Type in the printer's IP address ( the IP address is available from the Self-Test Page of the printer), click "next", enter "Detecting TCP/IP Port" state.



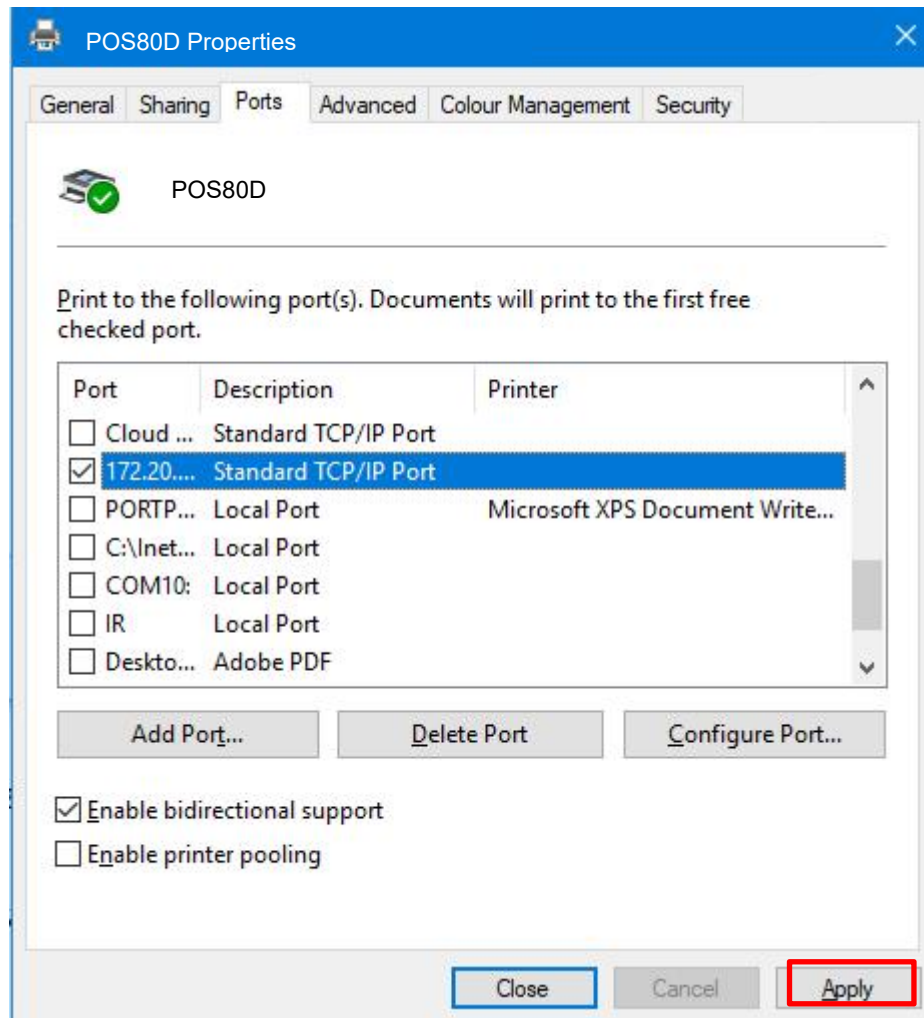
9) After a few seconds of detection, the "Add Standard TCP/IP Printer Port Wizard" interface is popped up, then click "Next".



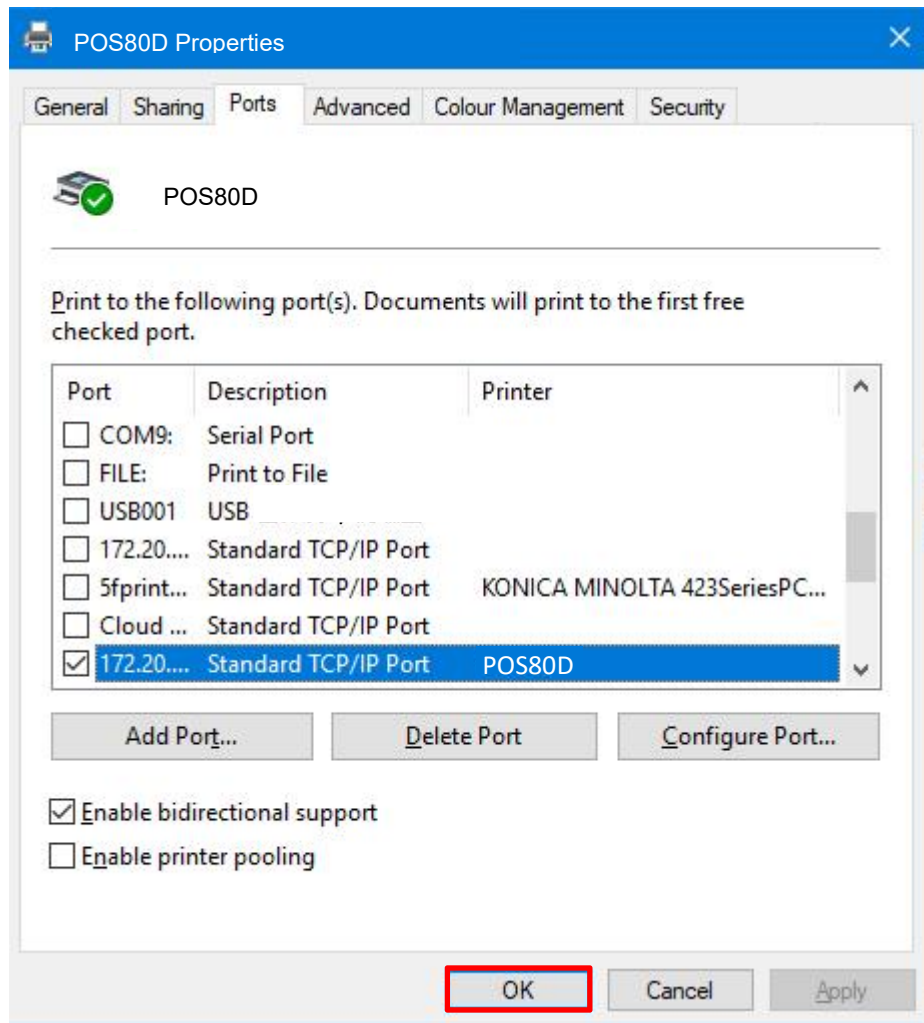
10) Click "Finish".



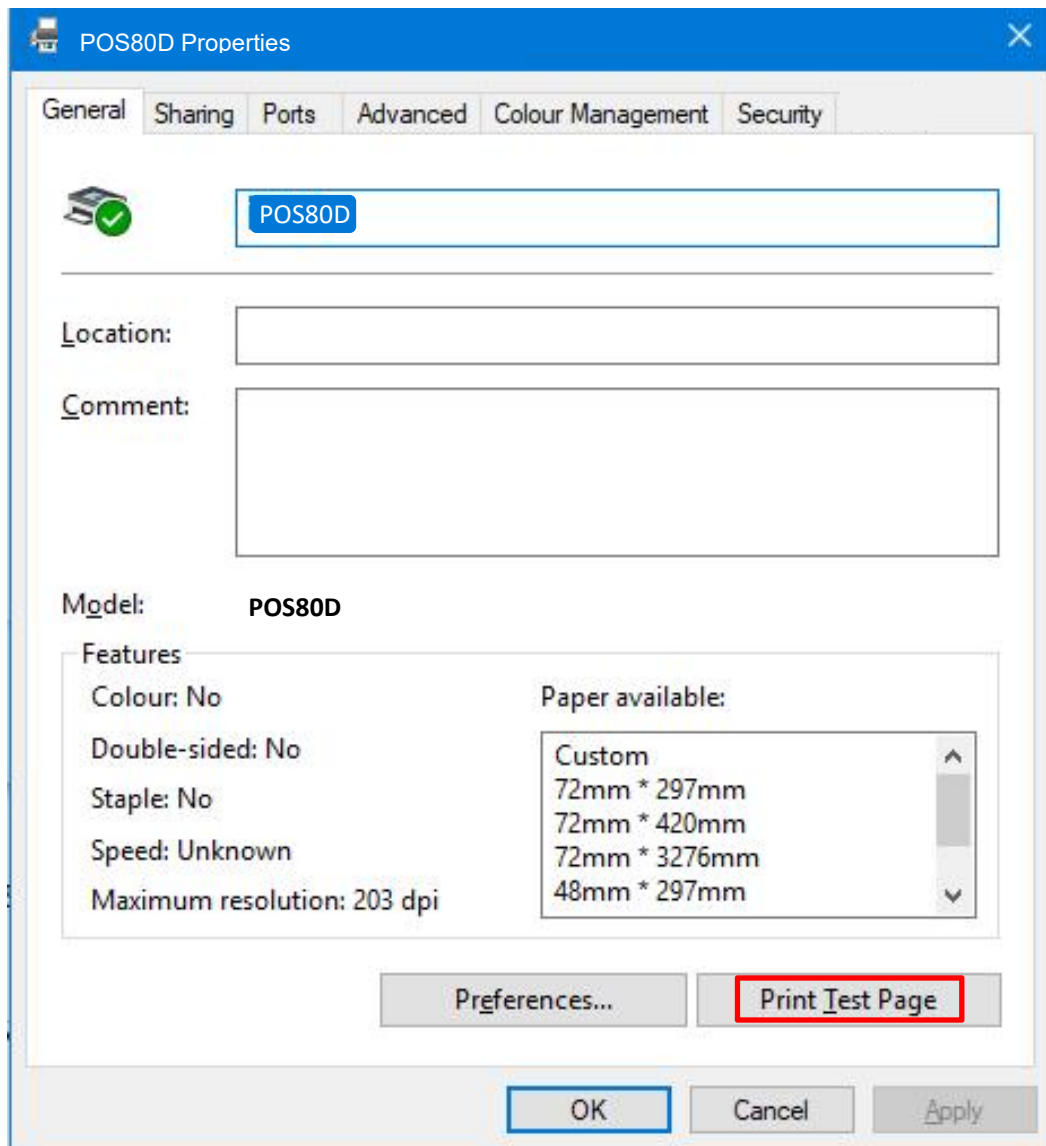
11) Under the function "port", choose the port that you just added, and click "Apply".



12) Click "OK".



13) Under "General", click "Print Test Page".



14) The print test is successful.

