

Windows Driver Installation Instructions (Windows 11-64 bit System as an Example)

I . Preparation before Driver Installation:

- ① Connect the printer to the power supply, turn On the printer;
- ② Connect the Windows system computer and the printer using the USB cable;
- ③ Download the corresponding printer driver from the official website;
- ④ Close 360 and other security guards and antivirus software.

II . The USB Port Driver One-click Installation Procedure:

- ① Double-click the "autorun.exe" driver installation package (shown in Fig.1).

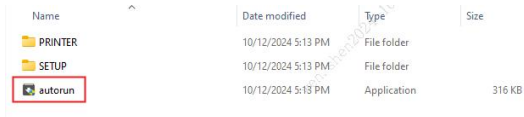


Fig.1

- ② Enter the printer driver installation program interface, click **[Next]** (shown in Fig.2)
Note: If you need to change the language, you can install through the language selection.

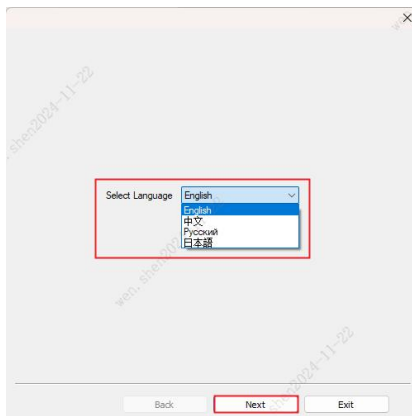


Fig.2

- ③ Enter the next installation interface, carefully read the "License Agreement" and "Privacy Policy", check **[I agree]**, and click **[Next]** (shown in Figure 3).

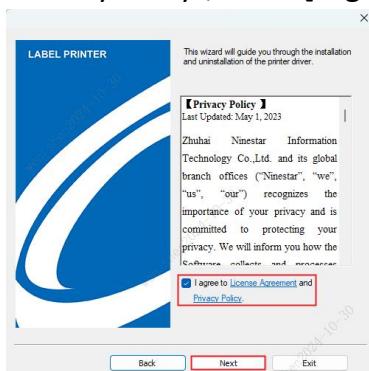


Fig.3

④ Enter the "Install and Uninstall" interface, click the **[USB Install]** and wait for the driver installation to complete (shown in Fig. 4 and Fig.5)

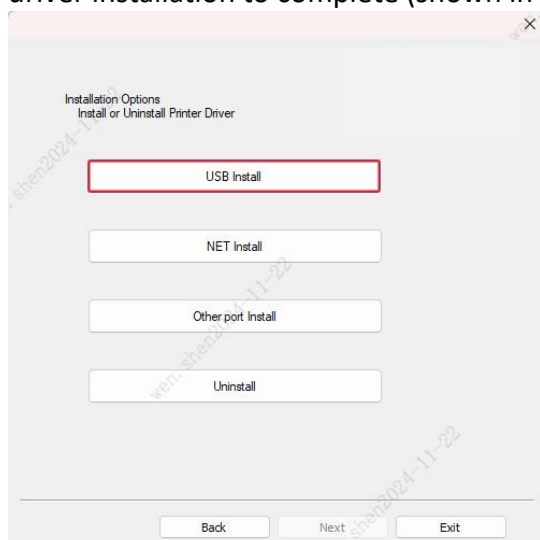


Fig.4

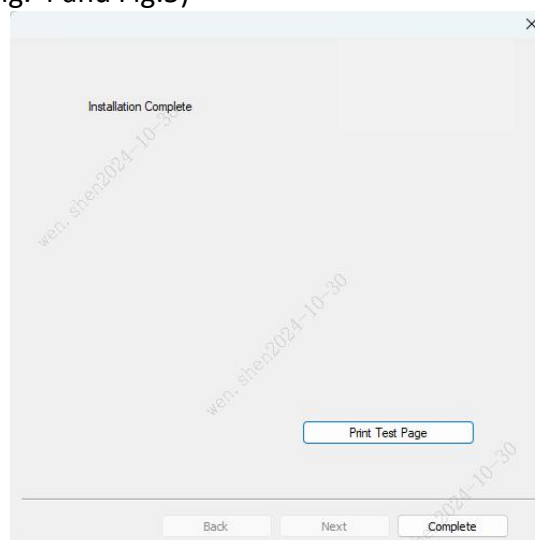


Fig.5

III. One-click installation of network port driver steps:

(Only applicable to printers with network port configuration: TD-403T)

① Connect the computer and printer using a USB cable, open the label printer settings tool, click **[Get List]** in the tool and select the printer model from the list, then click **[Mesh Setting]** (shown in Fig.6).

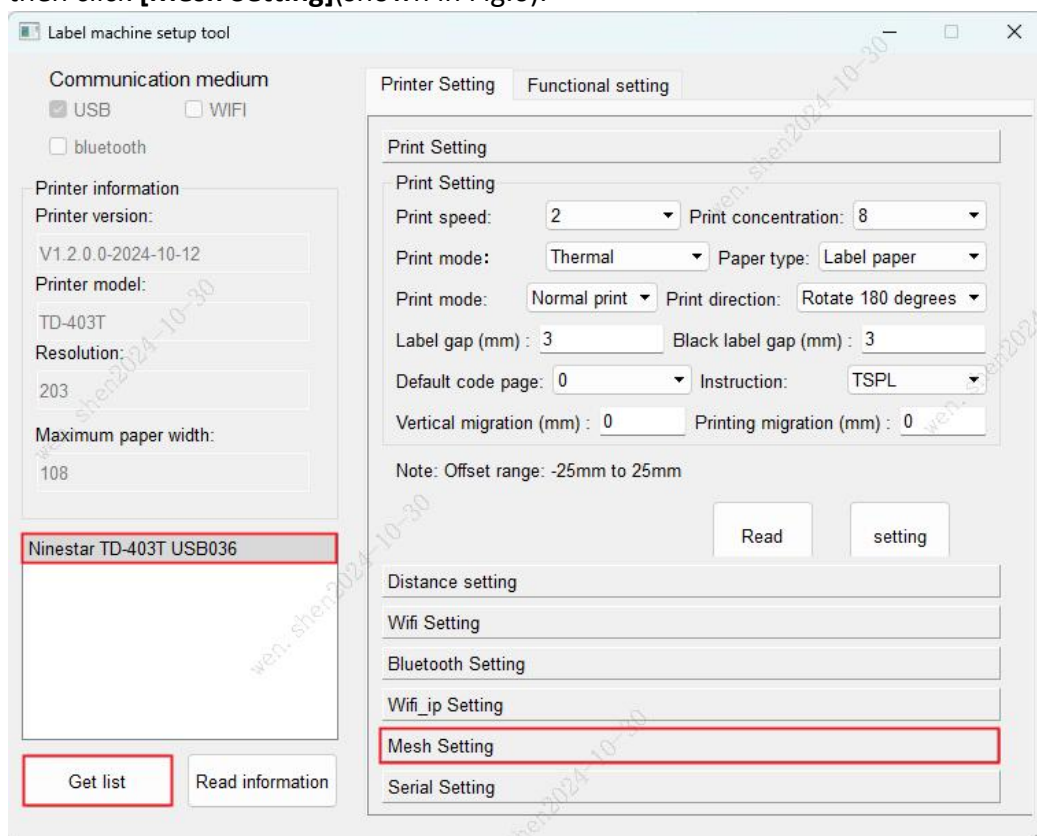


Fig.6

② When the computer and printer are connected with an Ethernet cable, you can view the computer's IP address in the direct connection by accessing the Control Panel (Path: Control Panel → Network and Internet → Network and Sharing Center). Click on **[Ethernet]** on the interface, then click **[Details]** to view the IP address (shown in Fig.7 and Fig.8).

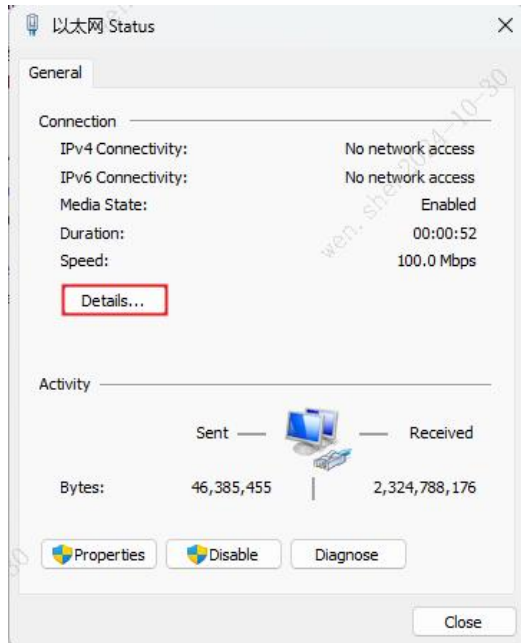


Fig.7

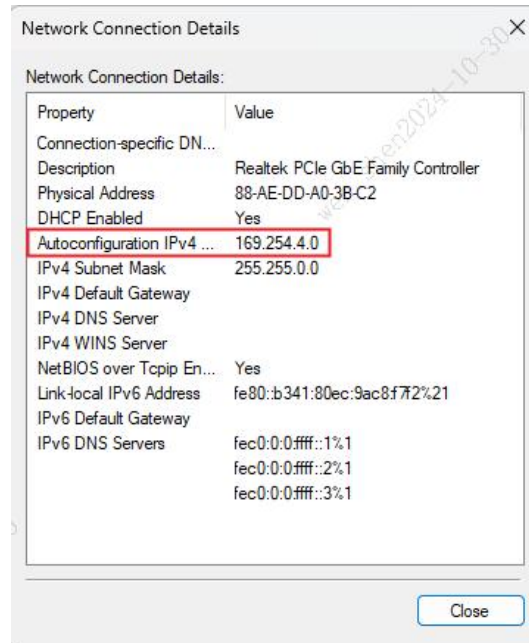


Fig.8

③ In the Mesh Setting, select **[DHCP OFF]** for the IP mode. Enter an IP address in the same network segment as the computer's IP address, and click **[setting]** to complete (for example: IP: 169.254.xxx, Gateway address: 192.168.1.1, Subnet mask: 255.255.255.0) (shown in Fig.9).

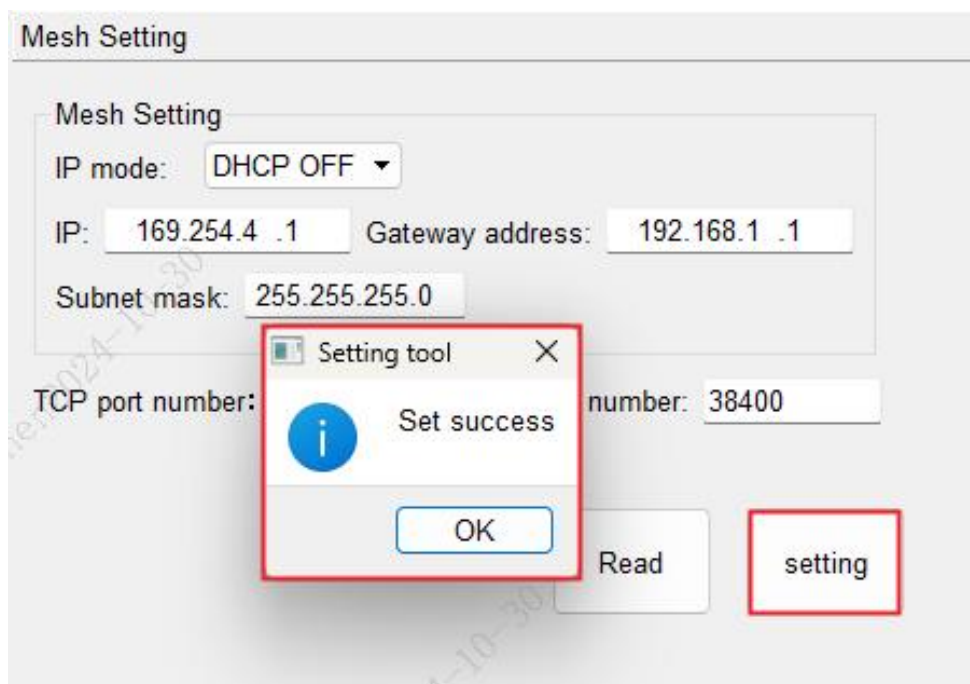


Fig.9

- ④ Follow the USB Driver Installation steps ①-③ to execute.
- ⑤ Enter "Install and Uninstall" interface, click the [NET Install](shown in Fig.10).

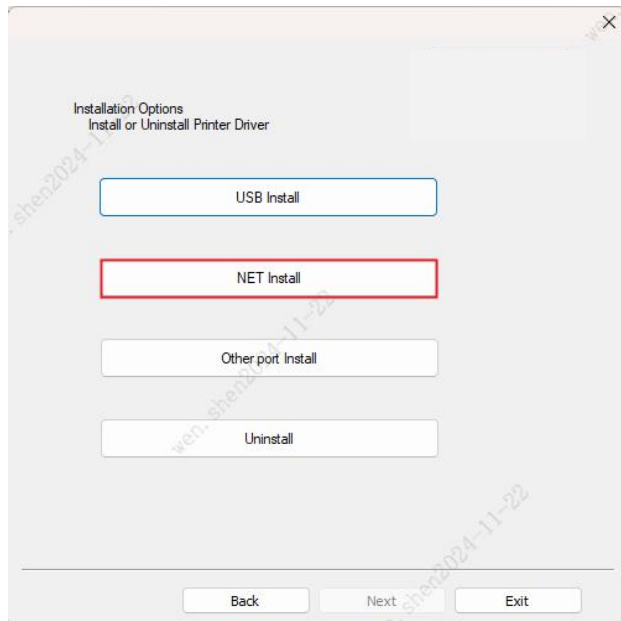


Fig.10

- ⑥ Enter the network installation interface, click the "IP Auto-Obtain (NET)" button in the interface to automatically obtain the current network port IP of the printer, click "Install," and wait for the installation to complete (shown in Fig.12).

Note:

- (1) Always use a USB cable to connect the computer and the printer to automatically obtain the printer's IP address;**
- (2) You can also print a self-test page to check the network port IP address;**
- (3) You can also obtain the network port IP address through the setup tool (shown in Fig.13).**



Fig.11

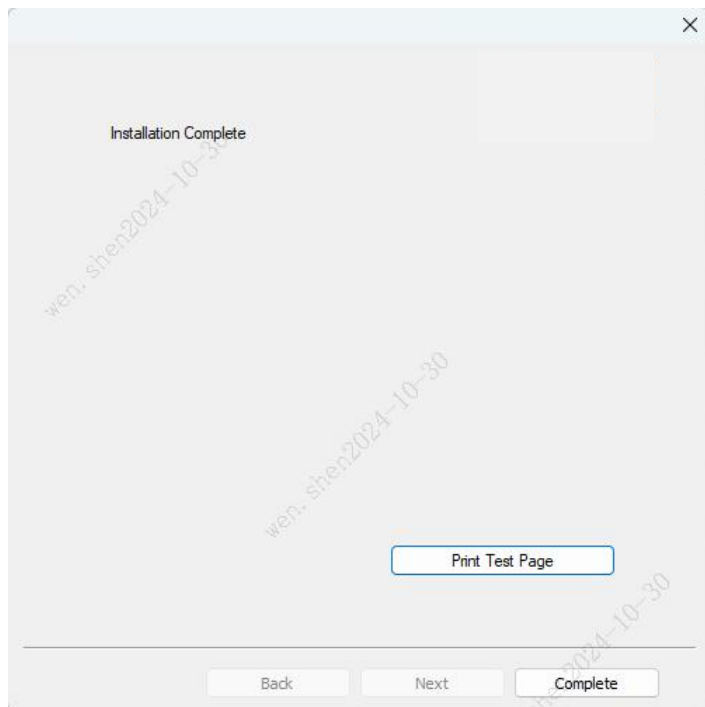


Fig.12

(3) When the computer and printer are on the same local network, make sure the IP mode is set to **"DHCP ON"** in the "Mesh Setting" interface, then click **[Read]** to obtain the printer's dynamic IP address (shown in Fig.13). If the read IP mode is **"DHCP OFF"**, you need to select **"DHCP ON"** for the IP mode in the "Mesh Setting", click **[setting]**, and then click the **[Read]** button.

Note: You can also print a self-test page to check the network port IP address.

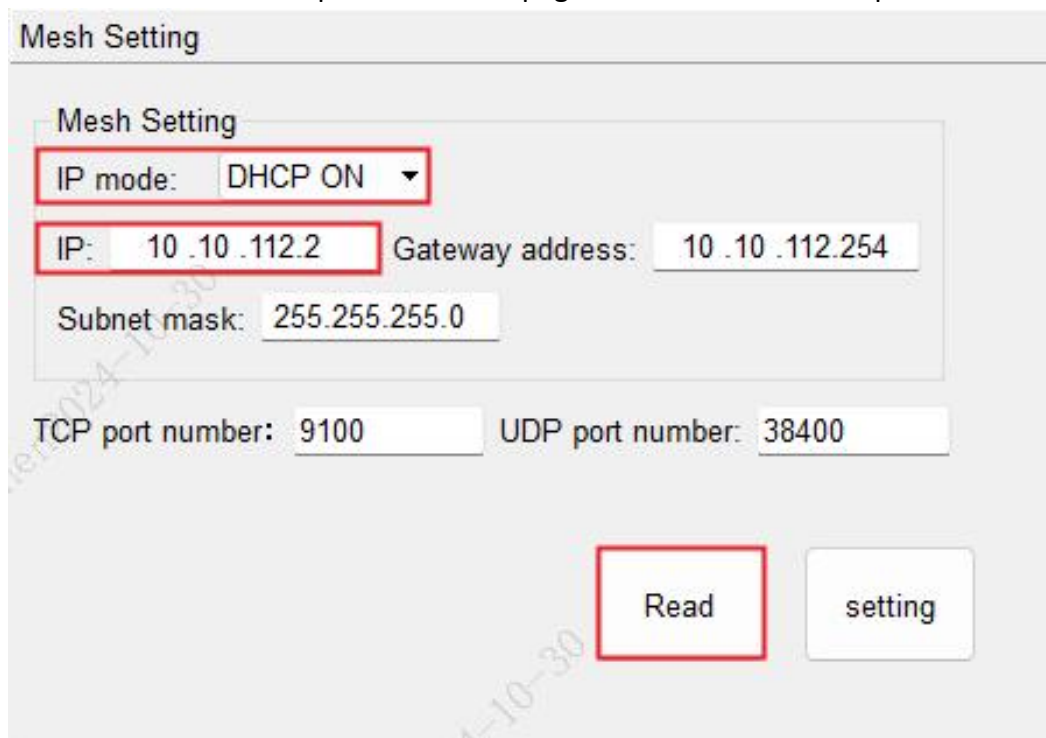


Fig.13

⑧ Follow the steps ④ to ⑥ for the network port driver installation.

IV. One-click Installation of WiFi Driver Steps:

① A desktop computer needs to insert a wireless network card (laptops can be ignored);

AP mode: Connect the computer to the printer's WIFI and enter the password, wait for a successful WIFI connection (shown in Fig.14).

Note: *The printer's WIFI mode, name, and password can be checked by printing a self-test page;*

STA mode: Connect the computer to the already configured hotspot name and enter the password, wait for a successful connection to the hotspot (shown in Fig.15)

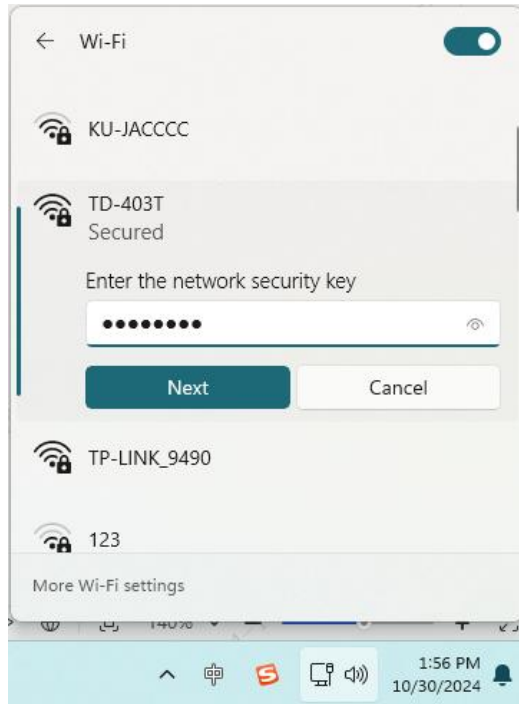


Fig.14 AP mode

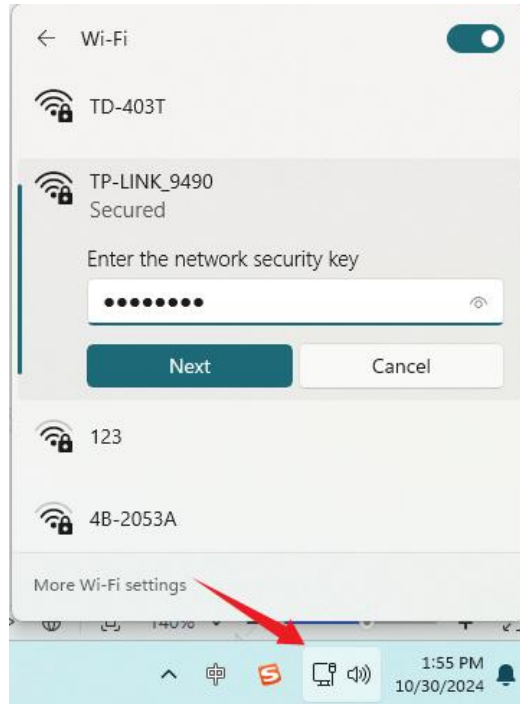


Fig.15 STA mode

Follow the USB driver installation steps ① to ③ to execute.

② Enter the next interface, and click the [NET Install] button (shown in Fig.16)

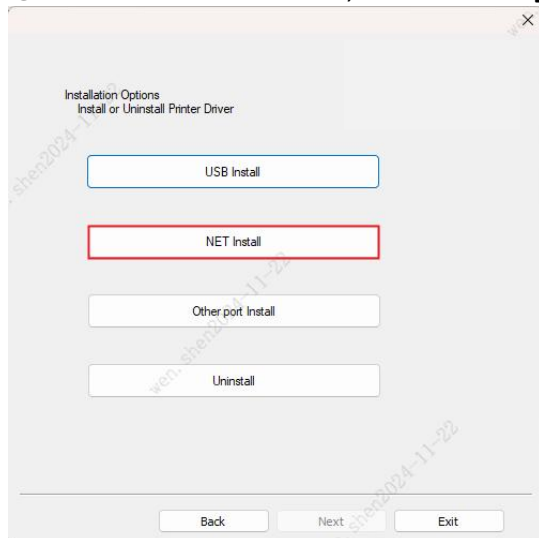


Fig.16

③ **AP Mode:** Enter the network installation interface, select the corresponding printer model, change the printer name manually, and then click the "IP Auto Get (WiFi)" button on the interface to automatically obtain the AP_IP of the printer's current WiFi. Click "Install" and wait for the installation to complete (shown in Fig.17 and 18).

Note: (1) Always use a USB cable to connect the computer and the printer to automatically obtain the printer's IP address;

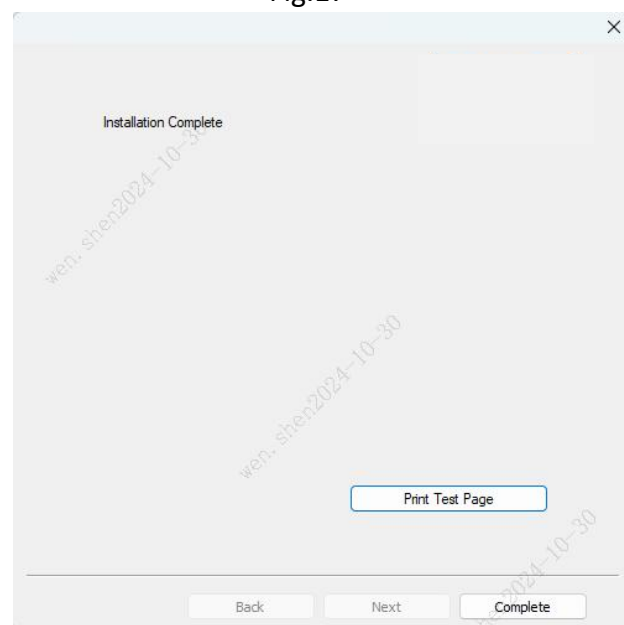
(2) In AP mode, the IP address can be viewed and obtained by printing a self-test page.



The screenshot shows a window titled "Printer Options" with a close button (X) in the top right corner. The main text says "Please enter the printer IP before installation". Below this, there are several input fields and buttons:

- Driver Name:** A dropdown menu showing "TPL TD-403T Printer".
- Printer Name:** A text input field containing "TPL TD-403T Printer NET".
- Printer IP:** A text input field containing "192.168.1.1".
- Buttons:** Two buttons labeled "IP Auto Get(WiFi)" and "IP Auto Get(NET)". The "IP Auto Get(WiFi)" button is highlighted with a red border.
- WiFi Configurator:** A button located below the IP buttons.
- Checkbox:** A checkbox labeled "Set as default printer" which is currently unchecked.
- Footer Buttons:** Three buttons labeled "Back", "Install", and "Exit" are located at the bottom of the window.

Fig.17



The screenshot shows a window titled "Installation Complete" with a close button (X) in the top right corner. The main text says "Installation Complete". Below this, there is a button labeled "Print Test Page". At the bottom of the window, there are three buttons labeled "Back", "Next", and "Complete".

Fig.18

④STA Mode:

- (1) Connect the printer to the computer using a USB cable;
- (2) Enter the network installation interface, select the corresponding printer model, change the printer name as needed, then click the "WiFi Configurator" button in the network installation interface. After entering the interface, input the WiFi name and password that need to be configured, and finally click the "Connect" button (shown in Fig.19 and 20).

Printer Options

Please enter the printer IP before installation

Driver Name: TPL TD-403T Printer

Printer Name: TPL TD-403T Printer NET

Printer IP: 192.168.1.103

IP Auto Get(WiFi) IP Auto Get(NET)

WiFi Configurator

☐ Set as default printer

Back Install Exit

Fig.19

WiFi Configuration

Please enter the WiFi name and password

WiFi Name: TP-LINK_9490

WiFi Password: 12345678

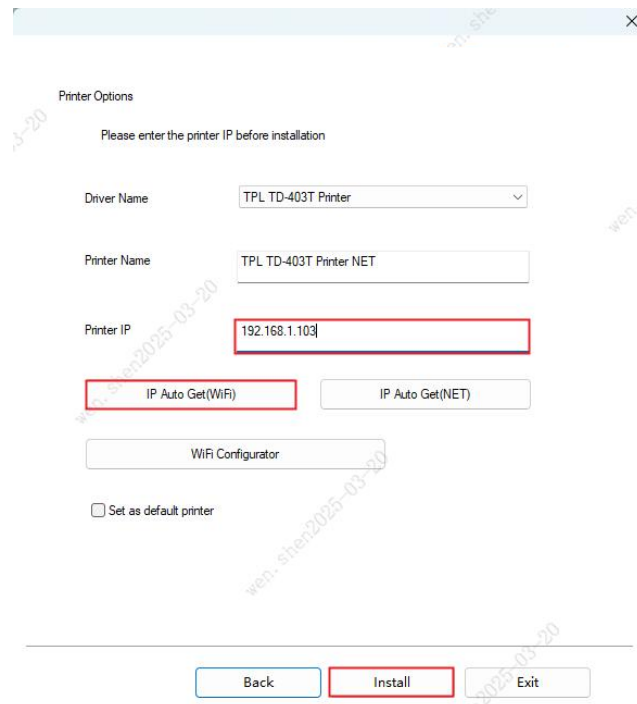
Back Connect Exit

Fig.20

⑤ After clicking "Connect," it automatically returns to the network installation main interface. In the interface, click the "IP Auto Get (WiFi)" button to automatically obtain the current WiFi STA_IP of the printer. Click "Install" and wait for the installation to complete (shown in Fig.21 and 22).

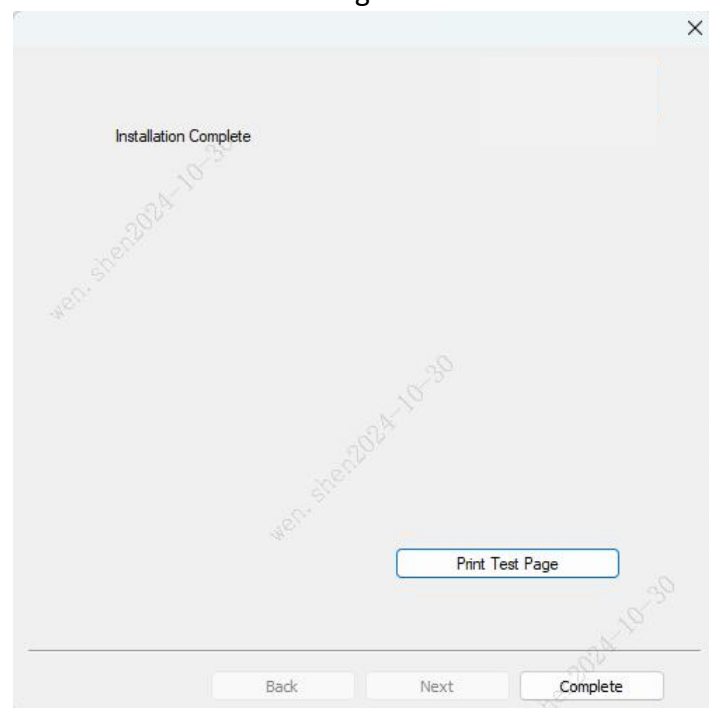
Note: (1) Always use a USB cable to connect the computer and the printer to set up WIFI and automatically obtain the printer's IP address;

(2) Only after completing the WIFI setup and IP address acquisition can the USB cable be removed.



The screenshot shows a window titled "Printer Options" with a close button (X) in the top right corner. The main text says "Please enter the printer IP before installation". There are three input fields: "Driver Name" with a dropdown menu showing "TPL TD-403T Printer", "Printer Name" with the text "TPL TD-403T Printer NET", and "Printer IP" with the text "192.168.1.103". Below these fields are two buttons: "IP Auto Get(WiFi)" and "IP Auto Get(NET)". The "IP Auto Get(WiFi)" button is highlighted with a red rectangular box. Below these buttons is a "WiFi Configurator" button. At the bottom left, there is a checkbox labeled "Set as default printer" which is currently unchecked. At the bottom of the window, there are three buttons: "Back", "Install", and "Exit". The "Install" button is highlighted with a red rectangular box.

Fig.21



The screenshot shows a window titled "Installation Complete" with a close button (X) in the top right corner. The main text says "Installation Complete". Below this text is a "Print Test Page" button. At the bottom of the window, there are three buttons: "Back", "Next", and "Complete".

Fig.22

V. One-click Installation of Serial (COM) Driver Operation Steps:

(Only applicable to printers with serial port configuration: TD-403T)

① Connect the computer and the printer using a USB cable, open the label machine setup tool, click **[Get List]** in the label machine setup tool and select the printer model from the list, click **[Serial Setting]** (shown in Fig.23).

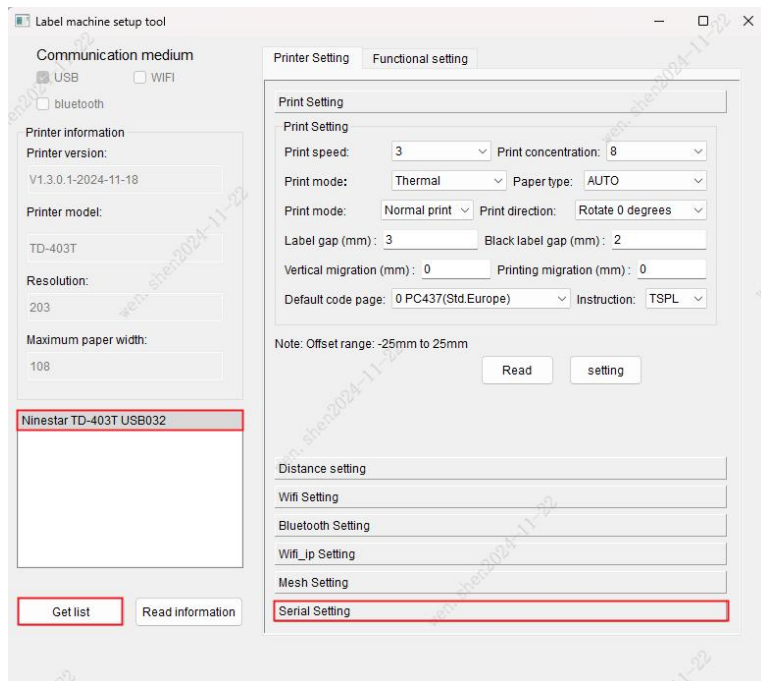


Fig.23

② In the serial setting interface, click the **[Read]** button to obtain the serial setting information (shown in Fig.24).

Note: Serial port information can also be obtained by printing a self-test page.

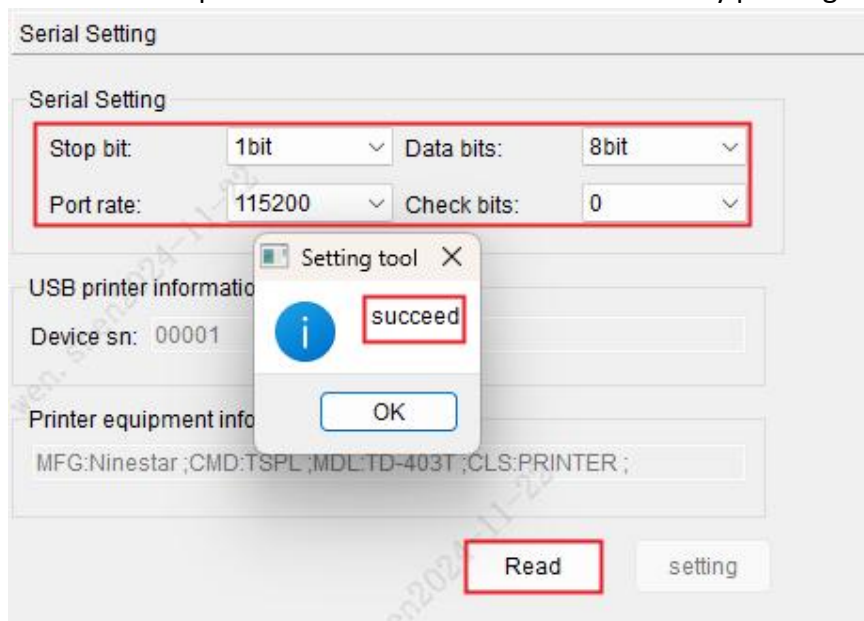


Fig.24

③ Connect the USB end of the serial cable to the computer and the serial end to the printer. Pay attention to whether the serial cable requires the installation of a serial port driver, otherwise the serial cable cannot be used directly.

Note: If using a serial cable that requires driver installation, please download and install the corresponding manufacturer's serial cable driver.

④ Find the computer icon on the computer desktop, right-click the mouse, select **[Show more options]** and then choose **[Manage]** from the interface (shown in Fig.25, 26).

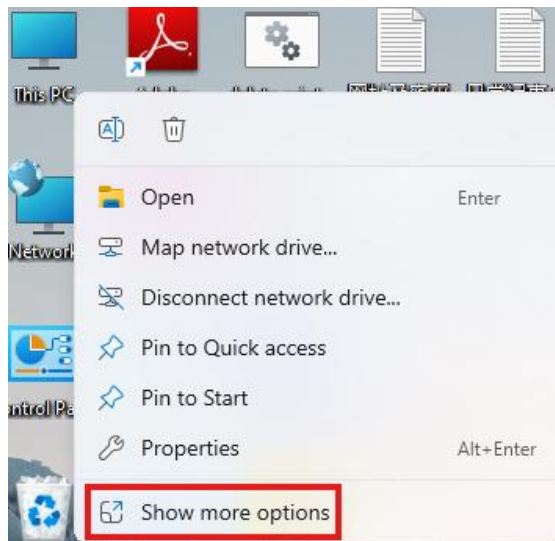


Fig.25

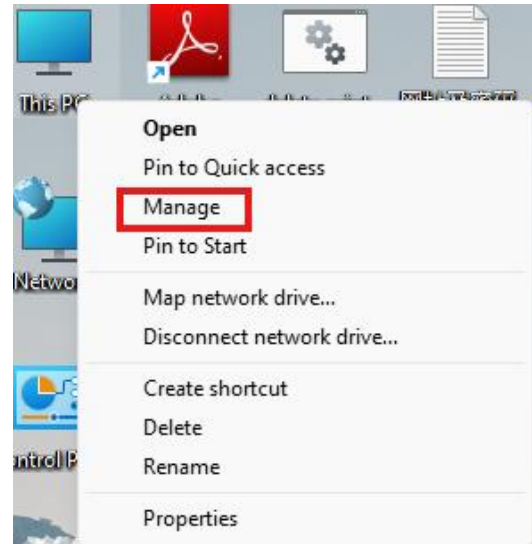


Fig.26

⑤ Enter the **"Computer Management"** interface, find and select **"Device Manager"** on the **left** side of the interface, then find and select **"Ports (COM & LPT)"** on the **right** side of the interface to view the serial COM port connected between the computer and the printer (shown in Fig.27).

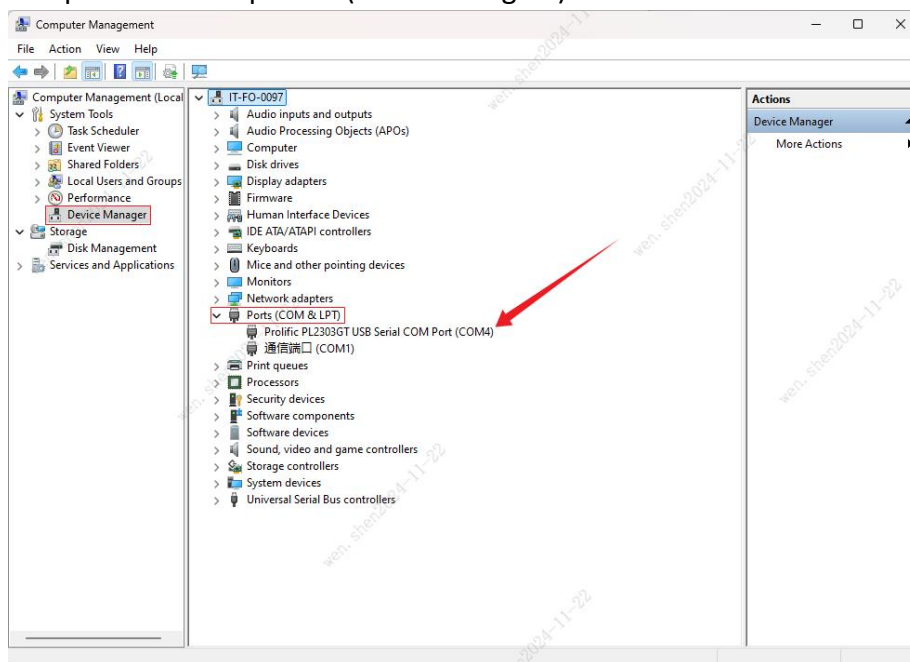


Fig.27

Note: When there are multiple COM ports in "Ports (COM and LPT)", you can determine the COM port connected to the printer by unplugging and plugging the serial cable.

⑥ Follow the USB driver installation steps ① to ③ to execute.

⑦ Enter the **"Install and Uninstall"** interface, click the **[Other Port Installation]** button (shown in Fig.28).

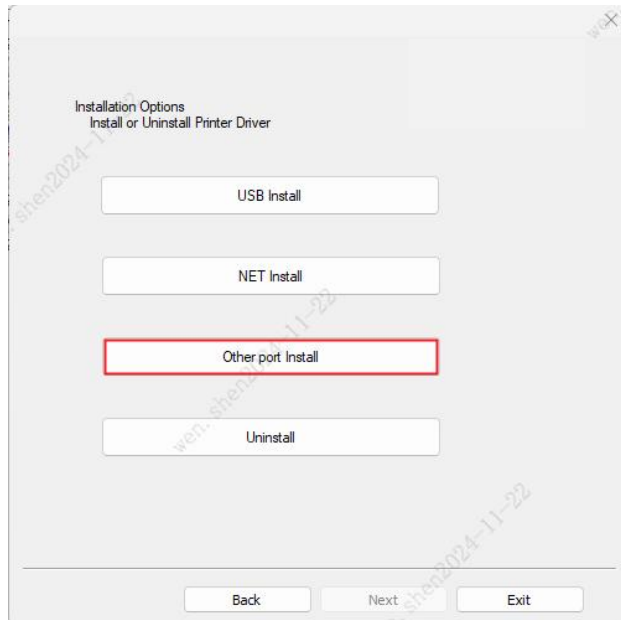


Fig.28

⑧ Enter the **"Specifying Port"** interface, select the corresponding printer model in the driver name column, choose the corresponding COM port for the printer connection in the port list, and then click the **[Configuration]** button at the bottom right of the interface (shown in Fig.29).

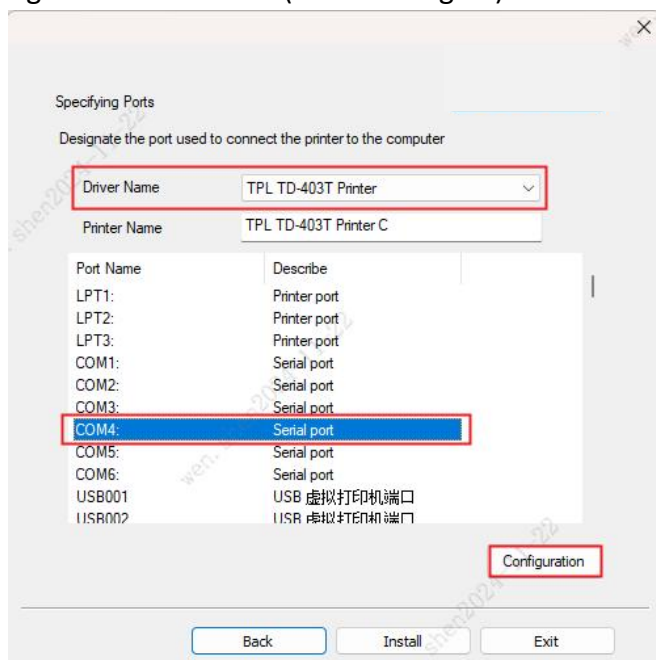


Fig.29

⑨ Enter the COM port properties settings interface. Relevant parameter settings can be configured based on the information obtained from the setup tool or self-test page. If using the printer's default serial port parameters, set them according to the figure below. Click the **[OK]** button to confirm (shown in Fig. 30).

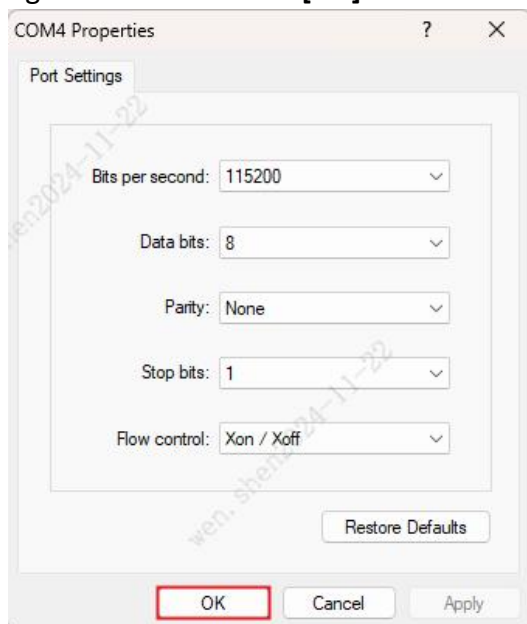


Fig.30

⑩ Return to the specified interface, click the "Install" button, and wait for the installation to complete (shown in Fig. 31, 32).

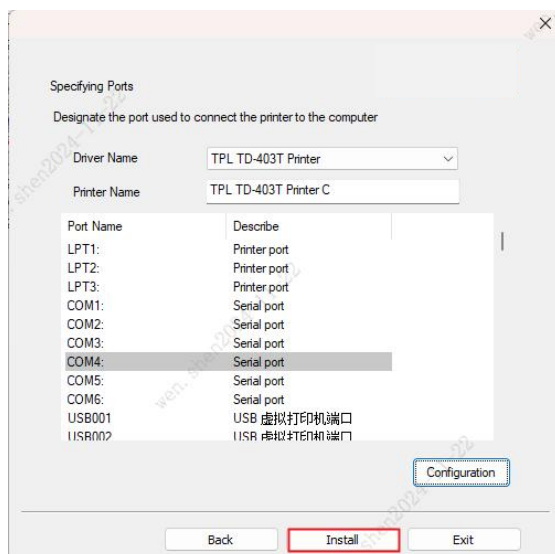


Fig.31

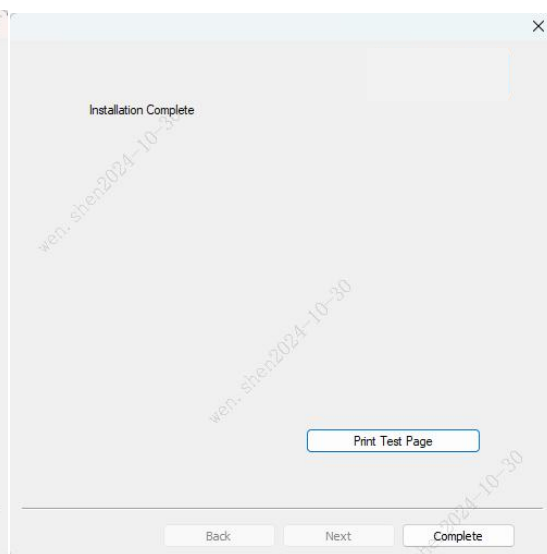


Fig.32

VI. One-click Installation of Bluetooth Driver Operation Steps:

① Desktop computer inserted with a Bluetooth adapter (laptops come with built-in Bluetooth), locate the Bluetooth icon in the bottom right corner of the computer screen, click the Bluetooth icon, and select **"Add a Bluetooth Device"** (shown in Fig.33 and Fig.34).



Fig.33

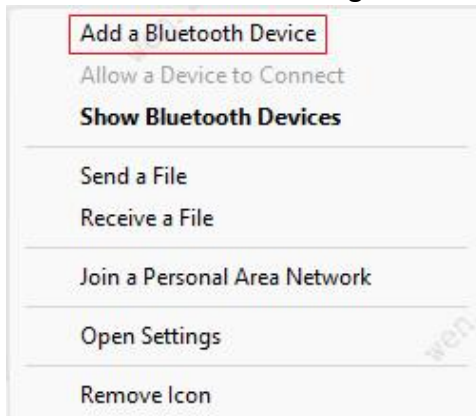


Fig.34

② Enter the **"Bluetooth & devices > Devices"** interface, and click the **[Add device]** button (shown in Fig.35).

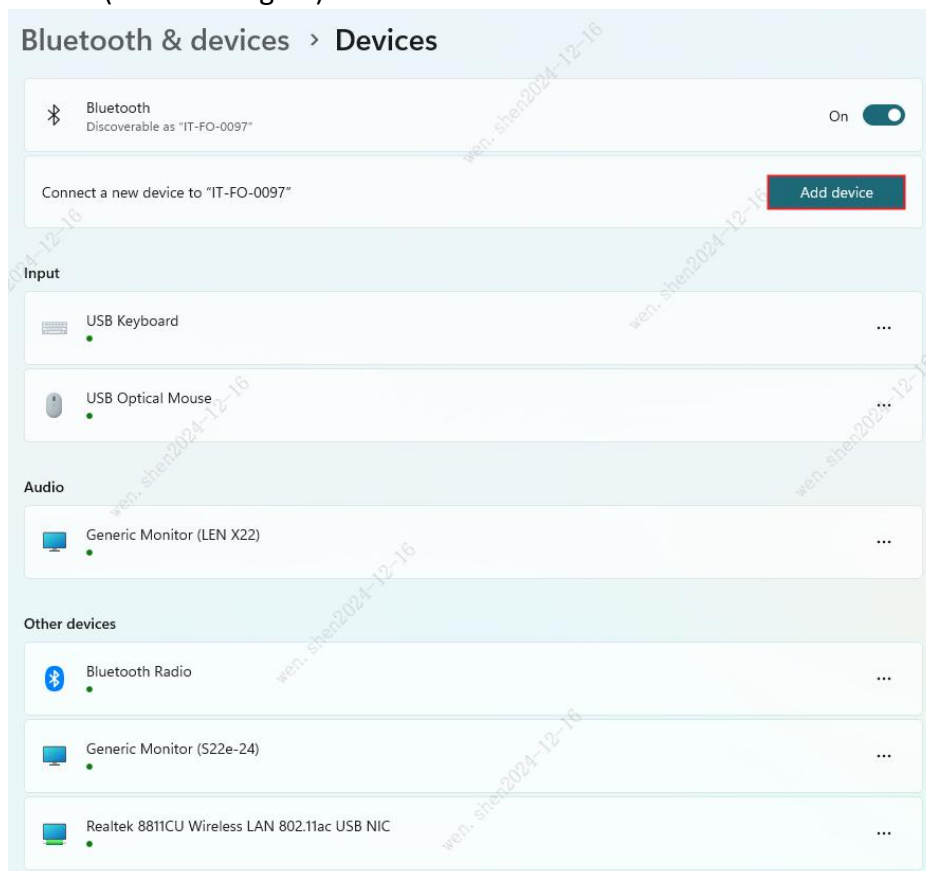


Fig.35

③ Enter the "Add a device" interface and select the [Bluetooth] option (shown in Fig.36).



Fig.36

④ Enter the Bluetooth device selection interface, select the Bluetooth of the printer you need to connect, enter the PIN password, and wait for the computer and printer to complete the pairing (shown in Fig.37 and 38).

Note:

- a. Select the Bluetooth name with a printer icon;*
- b. Bluetooth pairing is divided into "Simple Pairing" and "Passkey Pairing";*
- c. Simple Pairing does not require entering a Bluetooth password during connection;*
- d. Passkey Pairing requires entering a Bluetooth password during connection;*
- e. Bluetooth name, pairing method, and password can all be obtained and changed through the **label machine setup tool**;*
- f. Bluetooth name and password can be queried by printing a self-test page, where they are listed in the self-test page.*

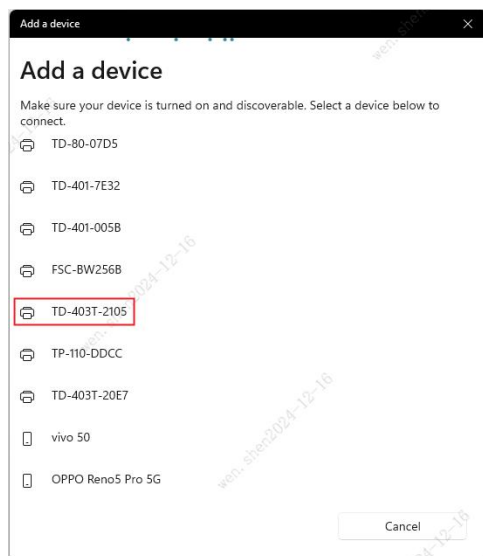


Fig.37



Fig.38

Note:

- (1) Laptops with built-in Bluetooth modules do not require a Bluetooth adapter;
- (2) Bluetooth adapters need to have the corresponding manufacturer's adapter model driver installed to function;
- (3) If a Bluetooth printer with a printer icon cannot be found, the issue can be resolved as follows:

In the **"Bluetooth & devices > Devices"** interface, within the **"Device settings"** module, change the Bluetooth device discovery option from **"Default"** to **"Advanced"** (shown in Fig.39 and 40) - **this applies only to Win11 systems.**



Fig.39

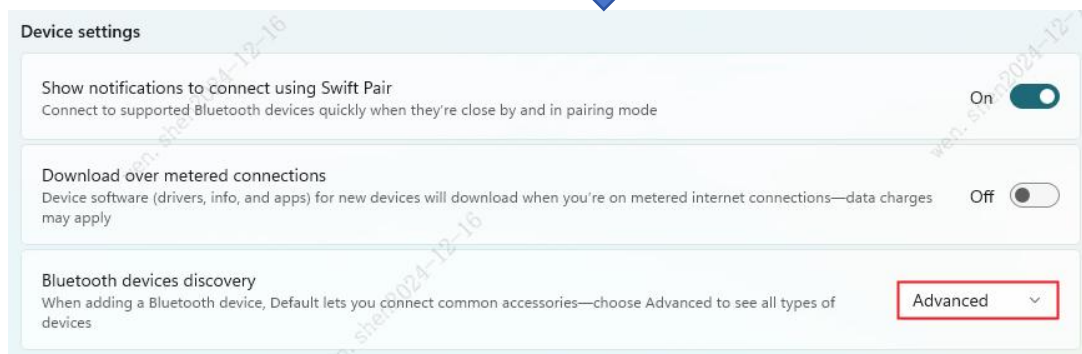


Fig.40

⑤ When the system's Bluetooth function is paired with the printer that needs to be connected, you can confirm the Bluetooth virtual COM port through the following method:

Click on **"Bluetooth & devices > Devices"** interface, enter the **"Bluetooth settings"** interface, select the **[COM port]** option, view the COM ports listed in the interface, and remember the port number with the direction marked as **"outgoing"** (shown in Fig.41 and 42).

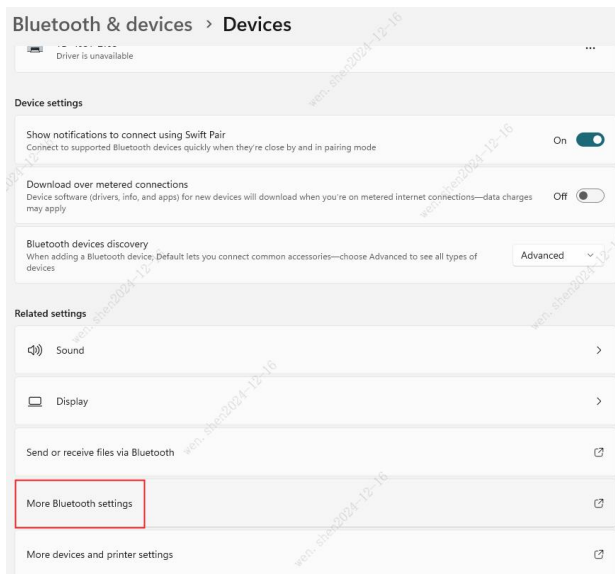


Fig.41

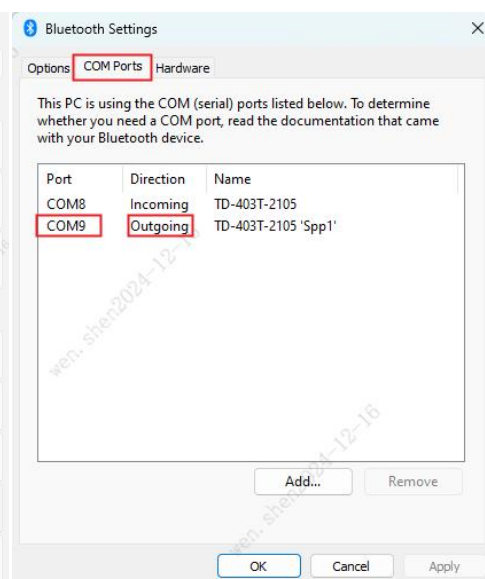


Fig.42

⑥ Follow the USB driver installation steps ① to ③ to execute.

⑦ Enter the "Install and Uninstall" interface, click the **[Other port Install]** button (shown in Fig.43).

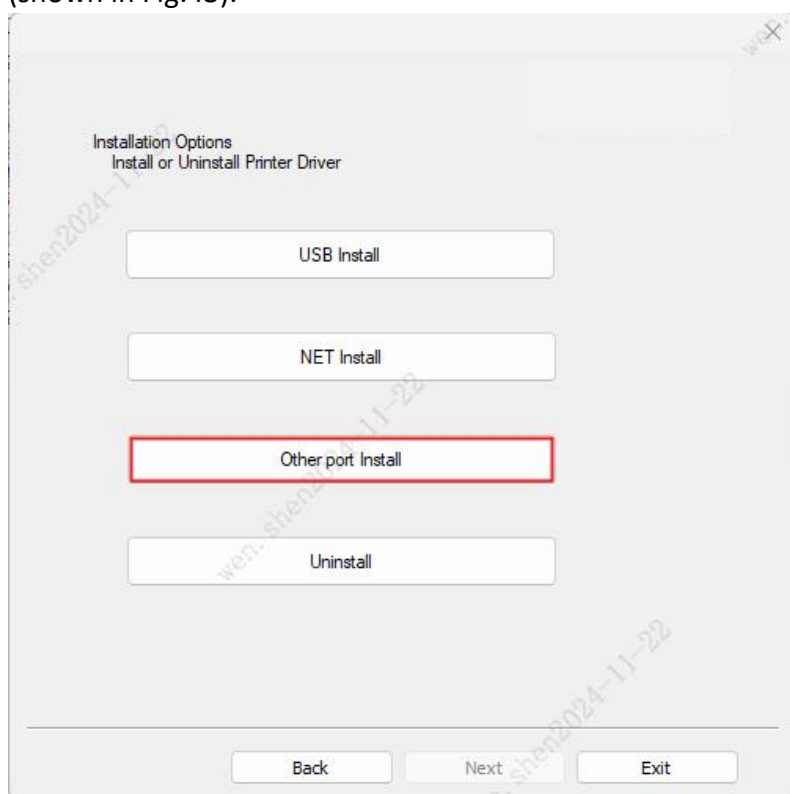


Fig.43

⑧ Enter the "Specifying Ports" interface, select the corresponding printer model in the driver name column, choose the COM port with the direction set to **"Outgoing"** from the port list, click the **[Install]** button, and wait for the installation to complete (shown in Fig. 44 and 45).

Note: The "Configuration" button in the bottom right corner of the interface is not needed.

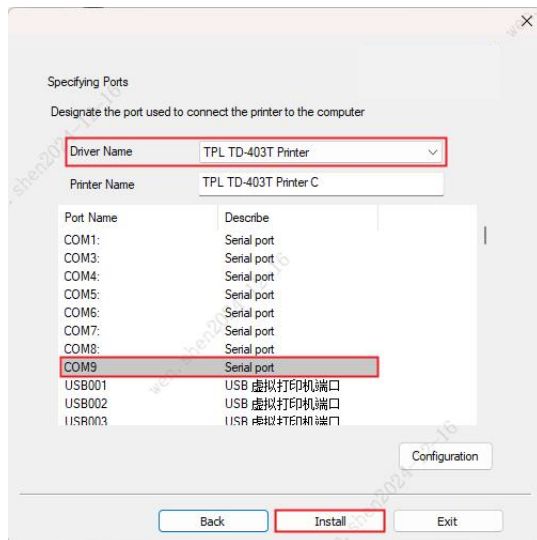


Fig.44

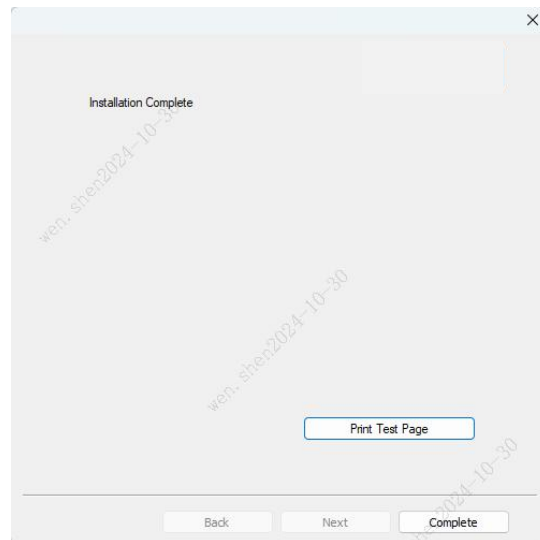


Fig.45

Note:

(1) When there are no generated Bluetooth virtual serial (COM) ports in the port list, the issue can be resolved through the following methods:

a. Open the computer's "Control Panel" and enter the "Bluetooth & devices" interface (shown in Fig.46 and 47).

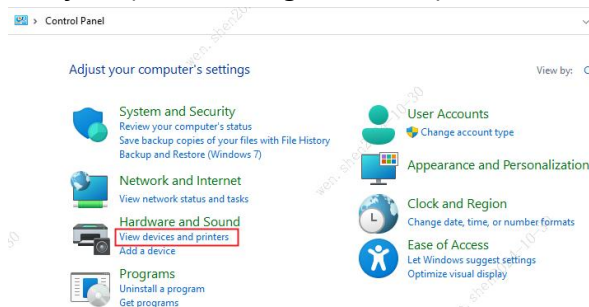


Fig.46

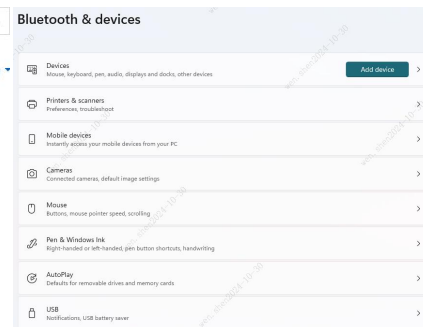


Fig.47

b. Click "Printers & Scanners" to enter the Printers & Scanners interface, and then click "Print Server Properties" in the "Related Settings" module.(shown in Fig.49 and 50).

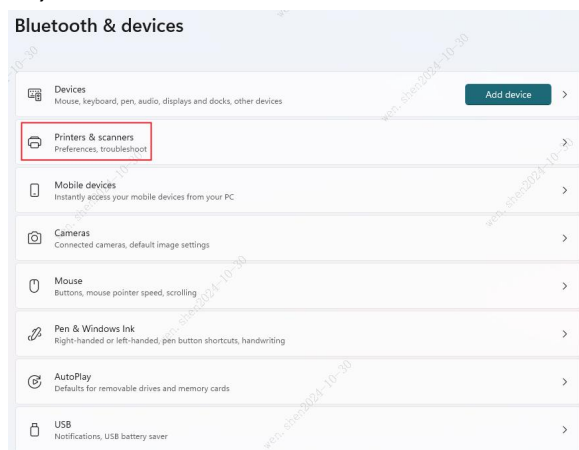


Fig.48

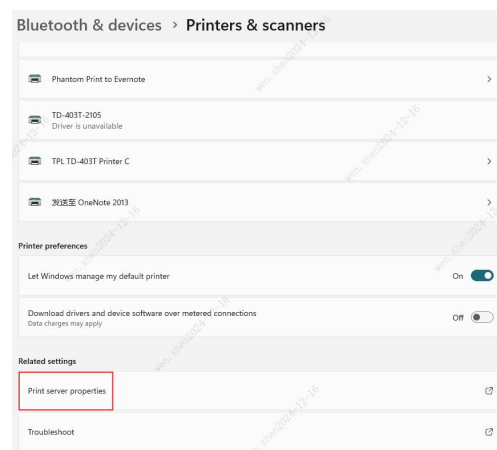


Fig.49

c. Enter the **"Print Server Properties"** interface, select the **"Ports"** tab. If the **"Change Port Settings"** button appears in the bottom left corner, click this button to proceed with subsequent operations (shown in Fig.50 and 51).

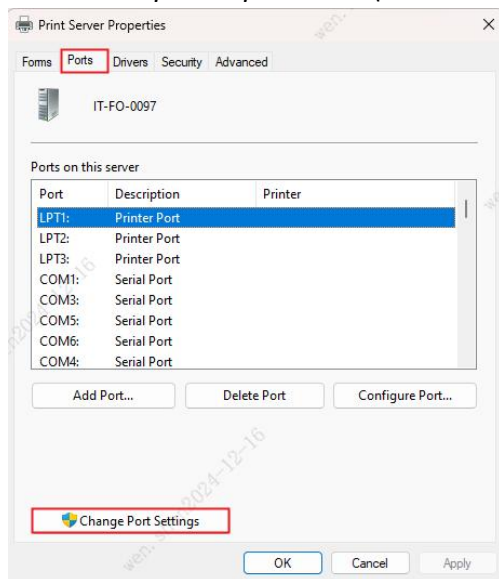


Fig.50

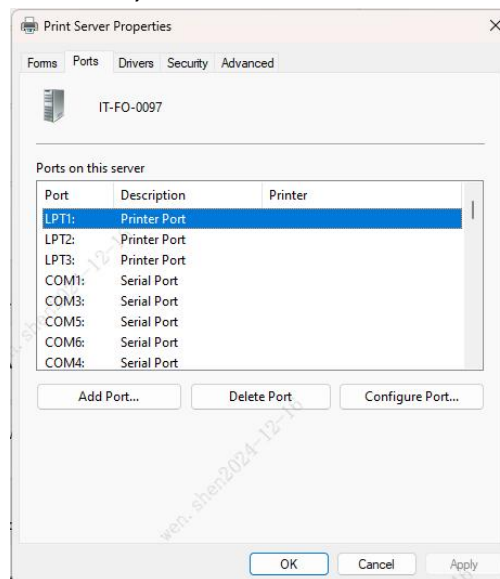


Fig.51

d. Click the **[Add Port]** button to enter the **"Printer Port"** interface, select **"Local Port"**, click **[New Port]**, enter the port name in the next interface, and click **[OK]** (ensure it matches the name of the generated Bluetooth COM port) (shown in Fig.52, 53, 54).

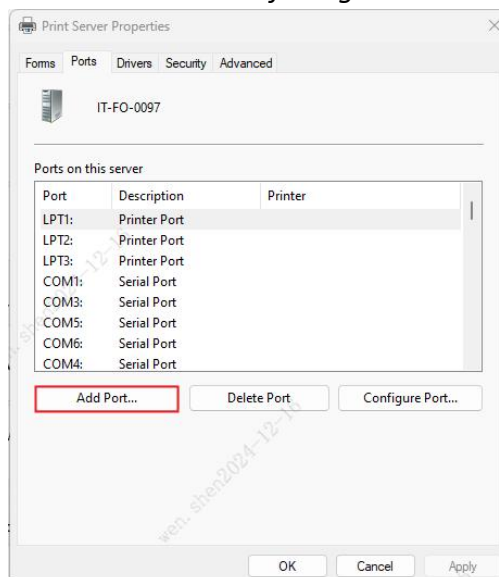


Fig.52

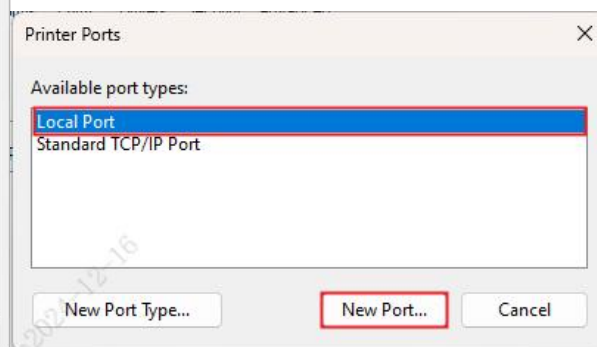


Fig.53

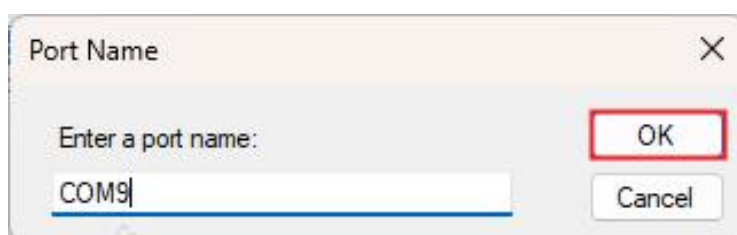


Fig.54

e. In the **"Print Server Properties"** list, the newly added COM port will be generated (shown in Fig.56), and the newly added COM port will be generated in the port list of the **"Specifying Ports"** driver interface (shown in Fig.56).

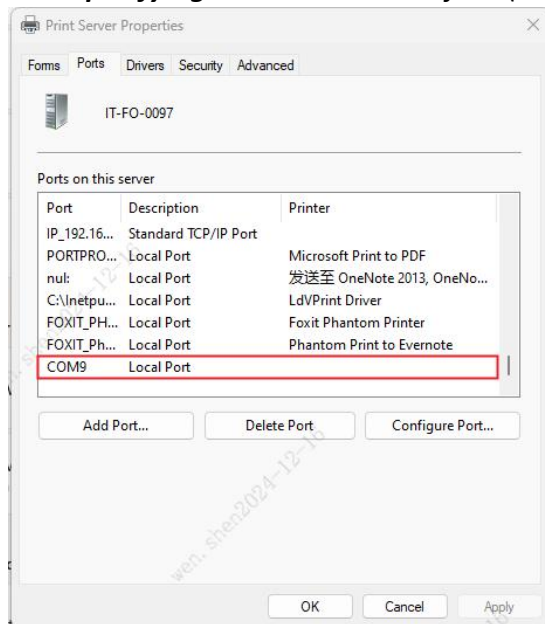


Fig.55

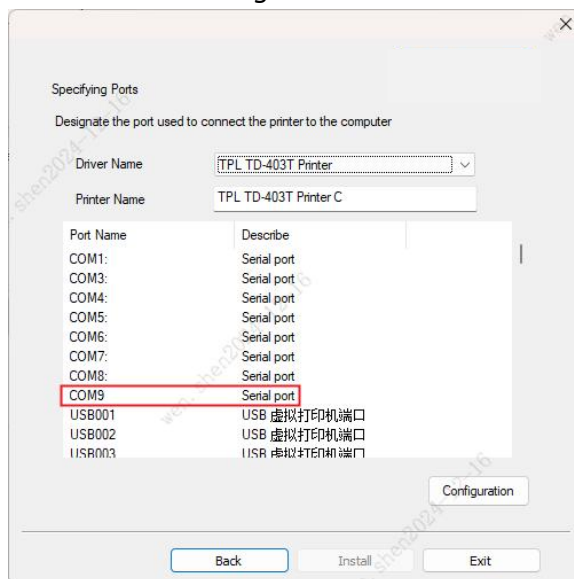


Fig.56

(2) When encountering the issue of being unable to print after successfully installing the Bluetooth serial port driver, the following steps are recommended for troubleshooting:

- ① Check if the Bluetooth serial port is occupied by other devices;
- ② Verify if the added COM port is set as an output direction port;
- ③ Ensure that the matched Bluetooth name is the one used by the printer;
- ④ Confirm that the distance between the printer and the connecting device is not too far, exceeding the Bluetooth connection range;
- ⑤ Check if the installed driver is compatible with the model of the printer in use.

VII.USB Driver PNP Manual Installation Steps:

①Open the "Control Panel" of the PC and go to the **"Bluetooth & devices"** interface (shown in Fig.57 and Fig.58).

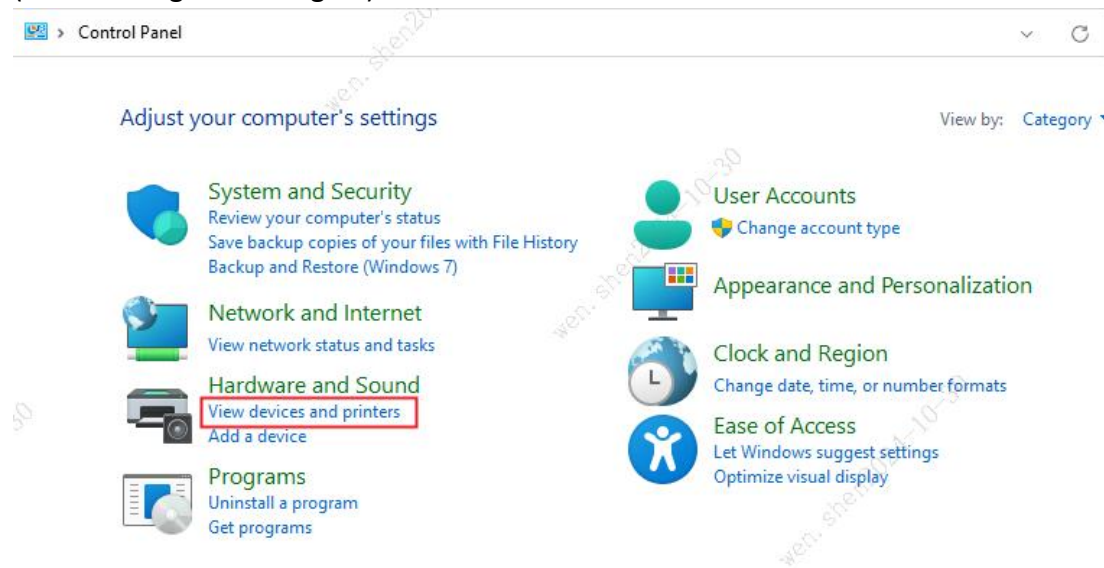


Fig.57

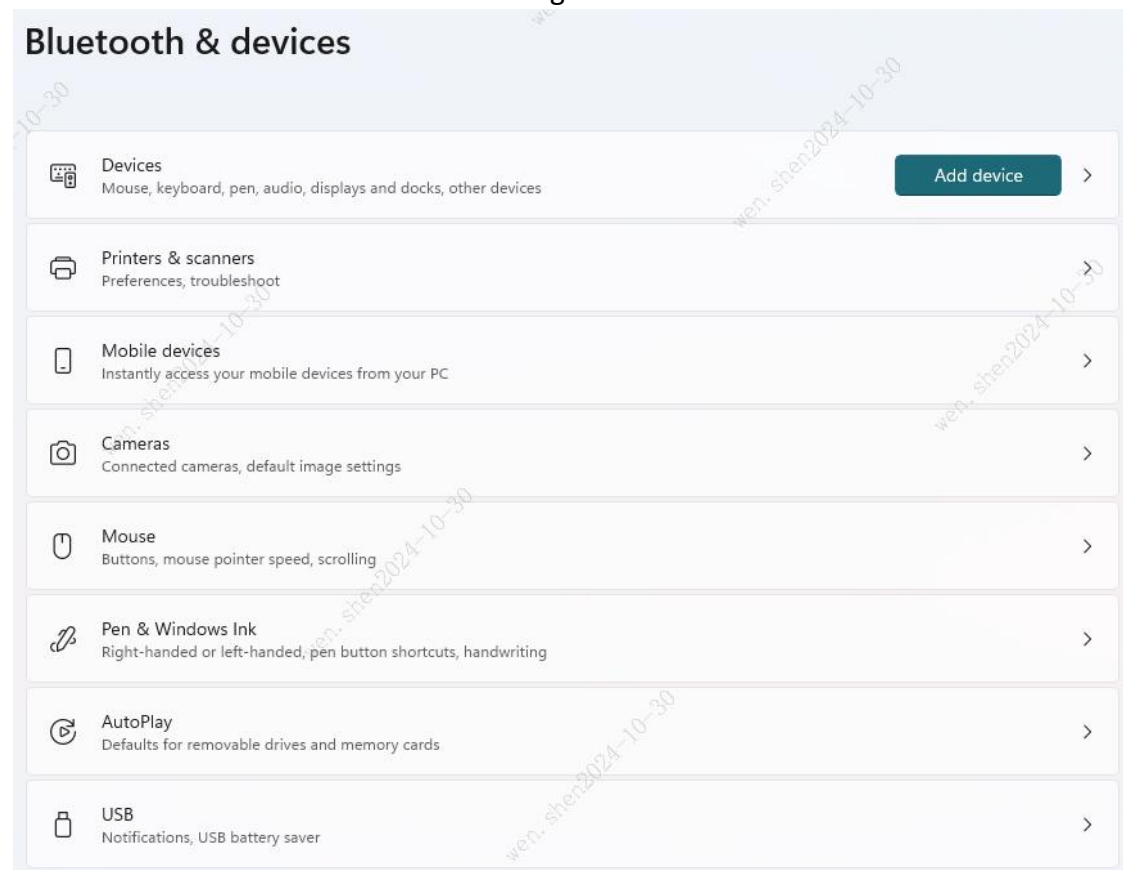


Fig.58

②Click **[Printers & Scanners]** to enter the interface of printer and scanner, and click **[Add device]** in the interface(shown in Fig.59 and Fig.60).

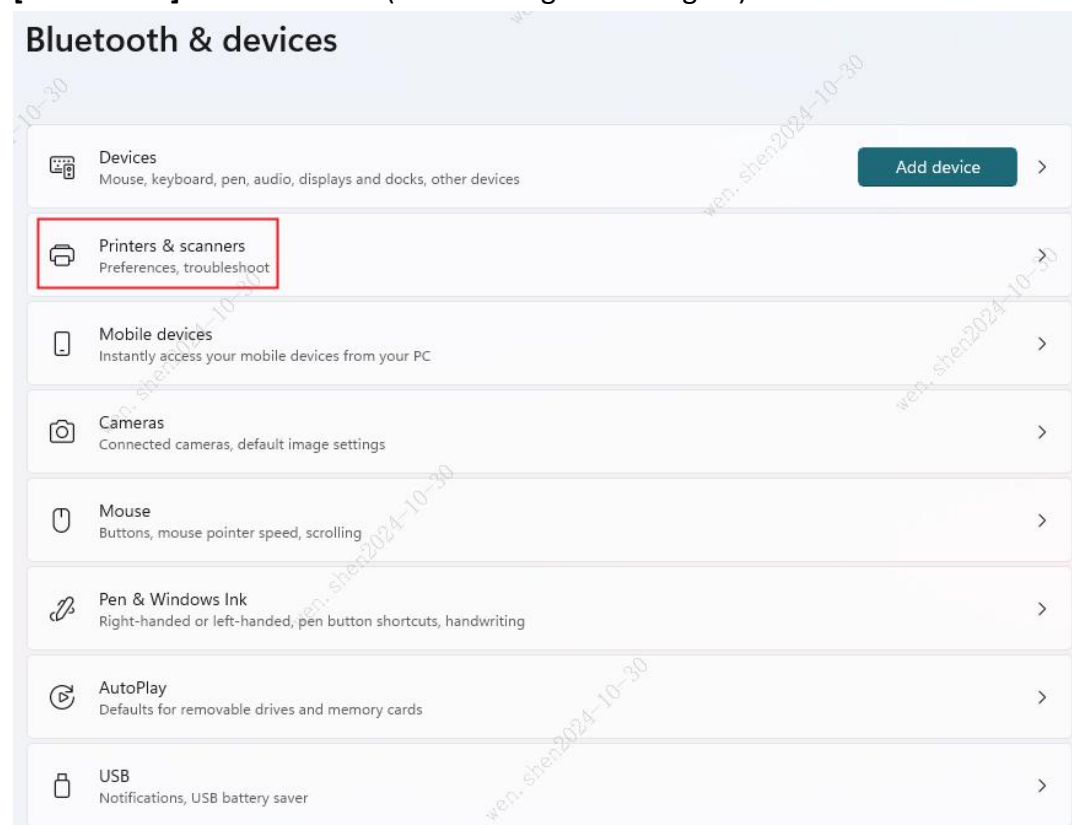


Fig.59

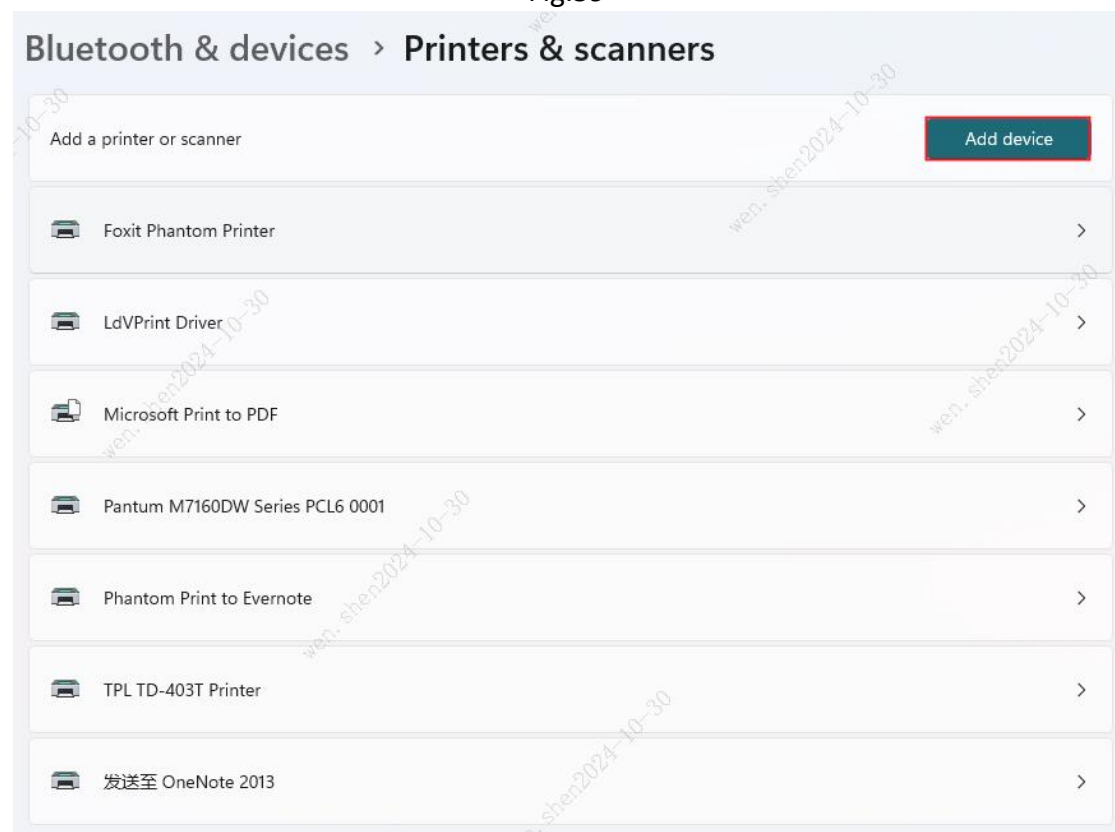


Fig.60

③Wait for the printer interface to "refresh", slide the interface to the bottom, click **[Add manually]**(shown in Fig.61).

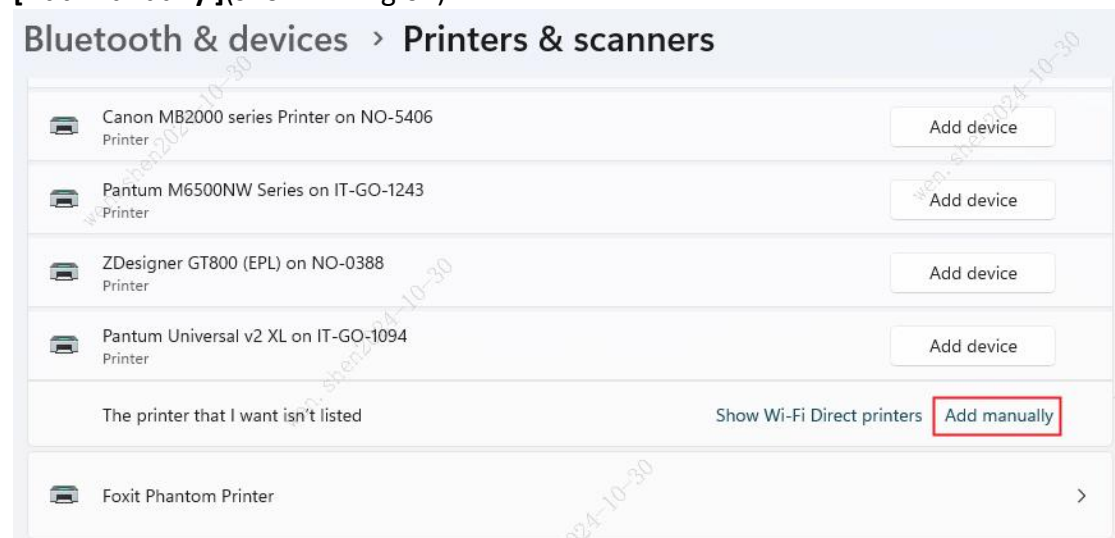


Fig.61

④ Go to the "Add Printer" interface, select the **"Add a local printer or network printer with manual settings"** option at the bottom of the interface, and click **[Next]** (shown in Fig.62).

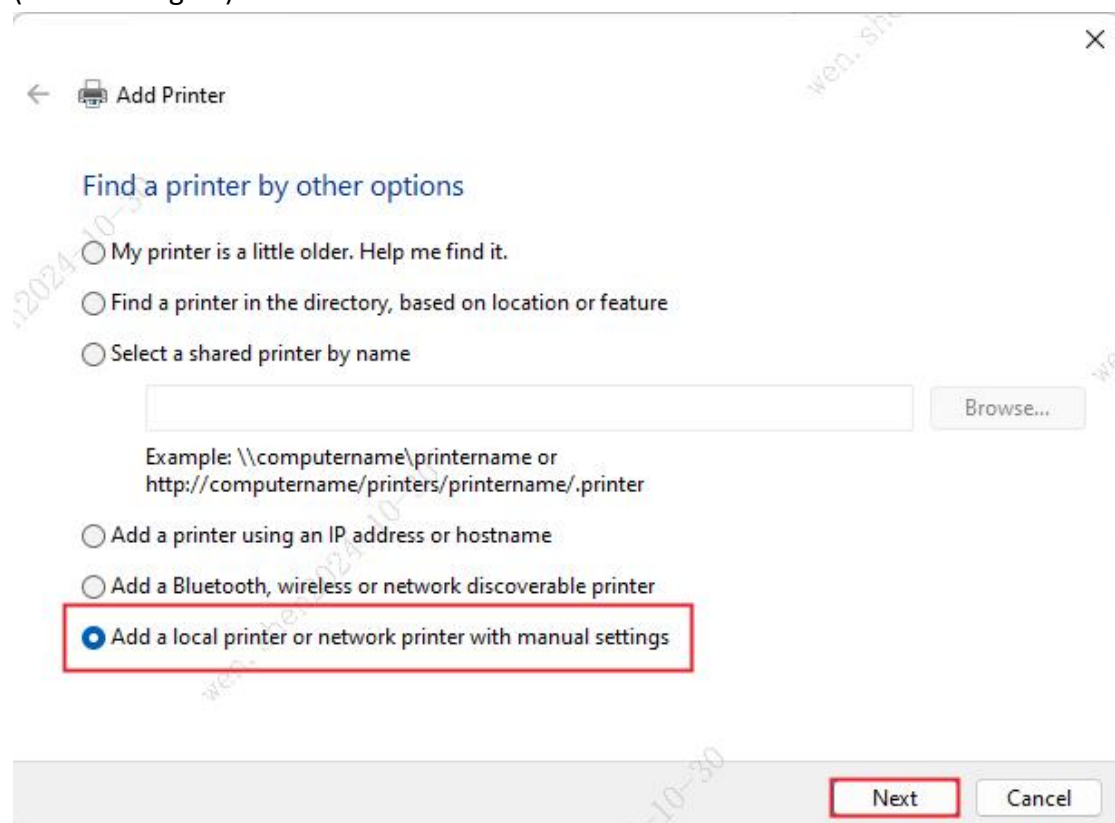


Fig.62

⑤Enter the **"Choose a printer port"** interface, select the corresponding port number for the connected printer under **"Use an existing port"**, and click **[Next]** .

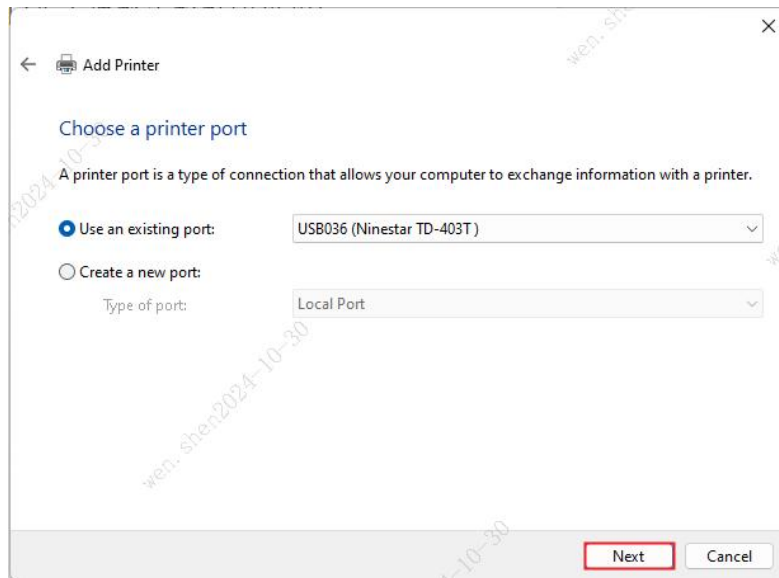


Fig.63

⑥ Go to the "Install the printer driver" interface and click **[Have Disk]** (shown in Fig.64).

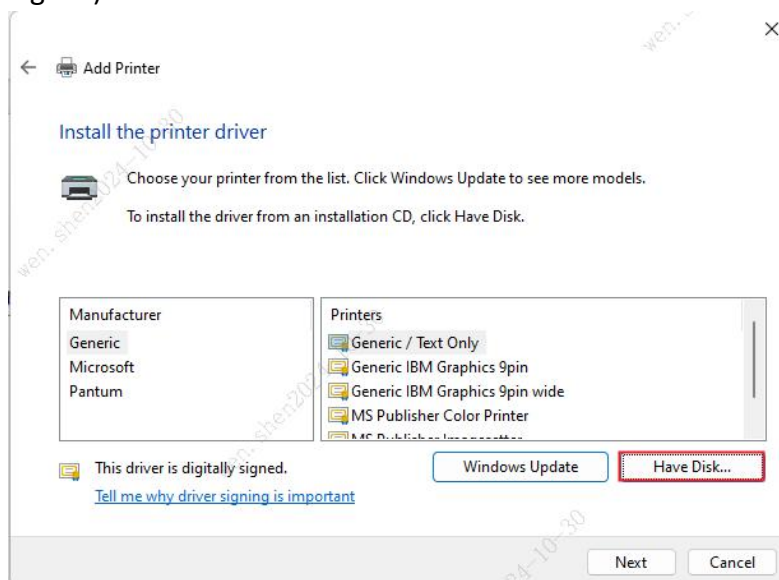


Fig.64

⑦ Enter the "Install From Disk" interface and click **[Browse]** in the bottom right corner (shown in Fig.65).

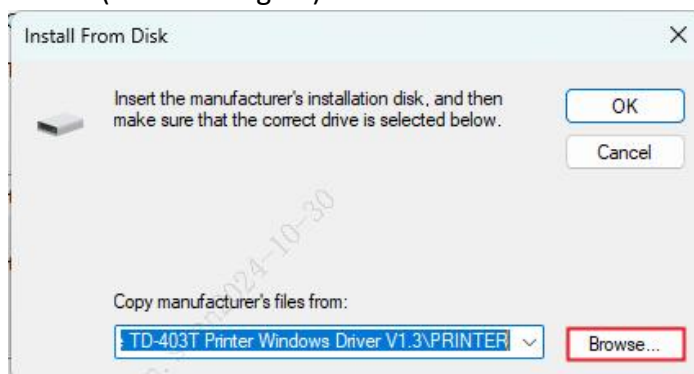


Fig.65

⑧ Locate the ".inf" format file in the driver package, click **[Open]**, return to the "Install From Disk" interface, and click **[OK]** (shown in Fig.66 and Fig.67).

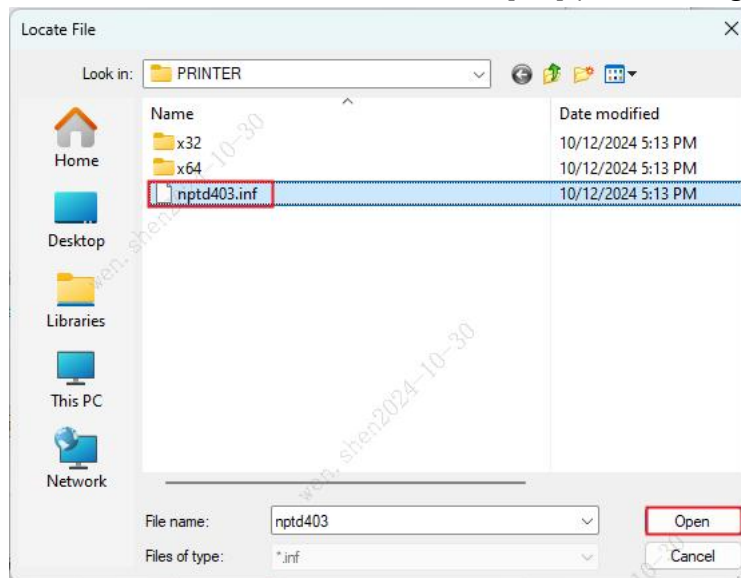


Fig.66

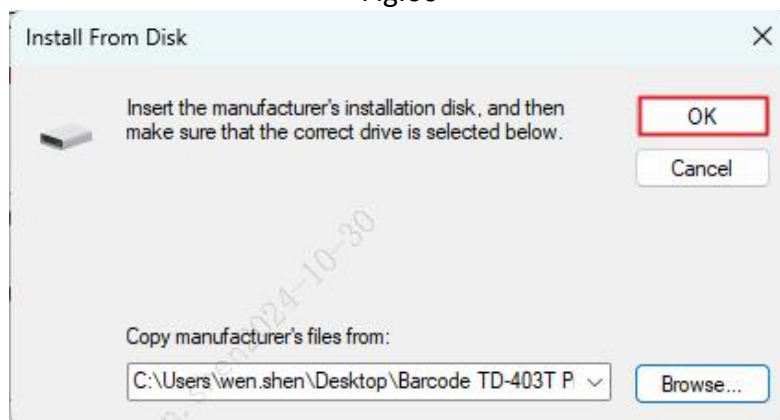


Fig.67

⑨ Enter next interface, select the model of the connected printer, and click **[Next]**.

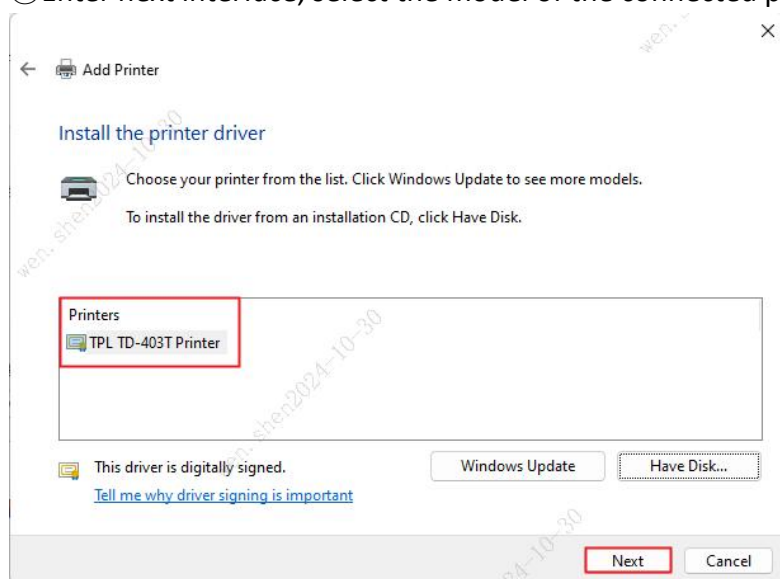


Fig.68

⑩ Enter the **"Type a printer name"** interface, where you can customize the printer name or use the default name. Click **[Next]** (shown in Fig.69).

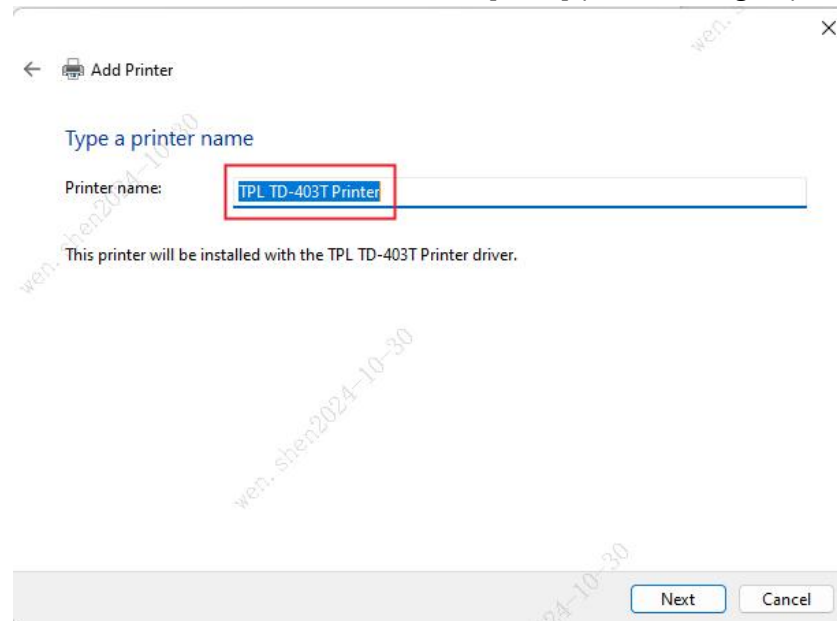


Fig.69

⑪ Wait for the driver installation to complete, then enter the **"Printer Sharing"** interface, where you can choose to "Not Share" or "Share" the printer according to your needs. Click **[Next]** to enter the "Printer Added Successfully" interface, and click **[Finish]** to complete the installation of the printer driver (shown in Fig.70, 71, 72).

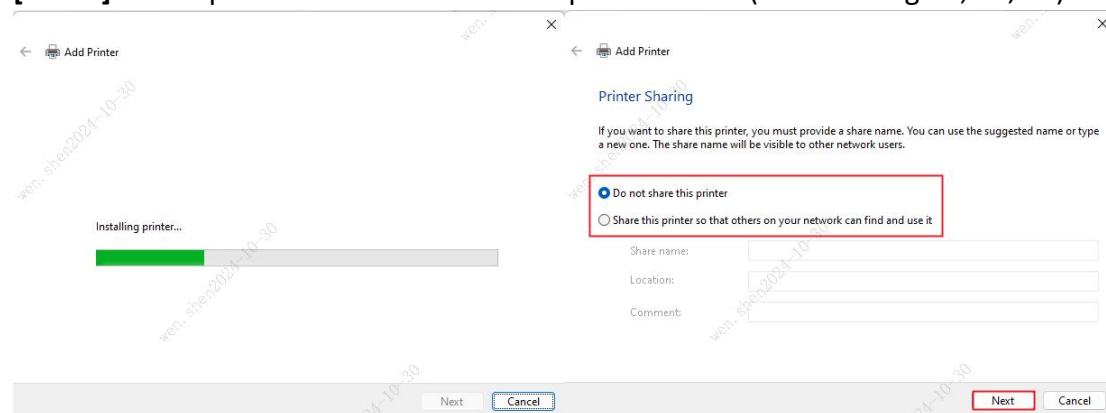


Fig.70

Fig.71

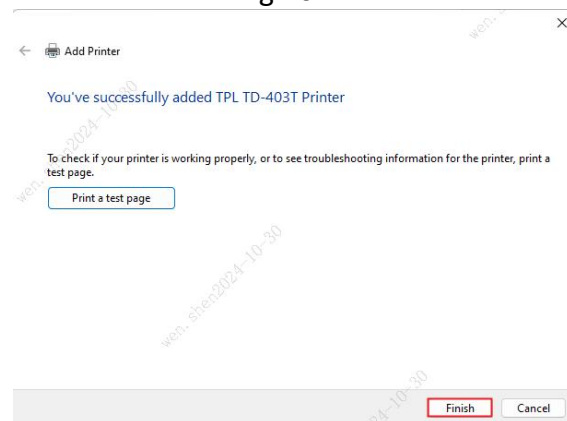


Fig.72

VIII. Network Interface Driver PNP Manual Installation Steps:

(Only applicable to printers with serial port configuration: TD-403T)

- ① When the computer and printer are connected with an Ethernet cable, follow the steps ① to ③ for the one-click installation of the network port driver to complete the related settings and information acquisition for the network port.
- ② Follow the steps ① to ③ for manual installation of the USB drive PNP.
- ③ Go to the **"Add Printer"** interface, select the **"Add a printer using an IP address or hostname"** option at the bottom of the interface, and click **[Next]**(shown in Fig.73).

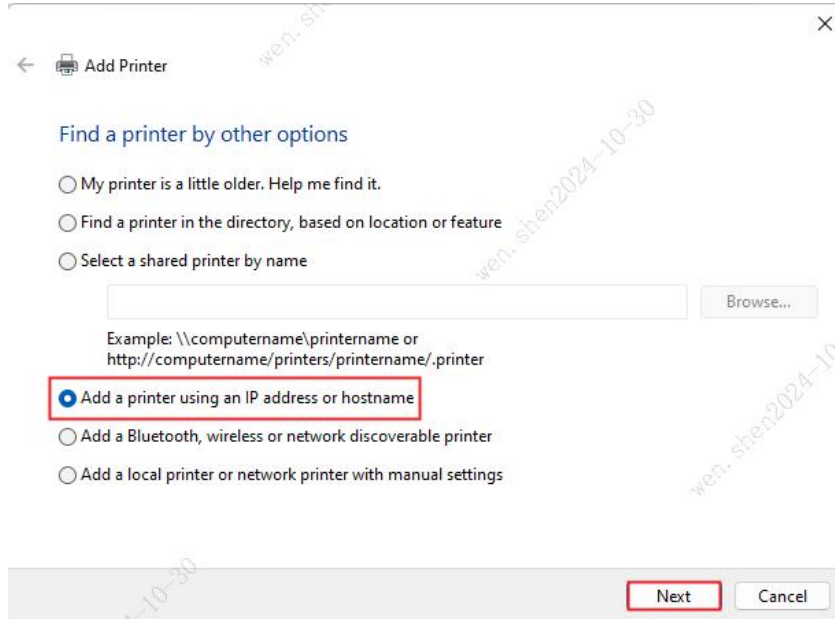


Fig.73

- ④ Go to the next interface, select **"TCP/IP Device"** in the device type box, enter the IP address obtained by the setup tool in the **"Hostname or IP address"** box, and click **[Next]**(shown in Fig.74and Fig.75).

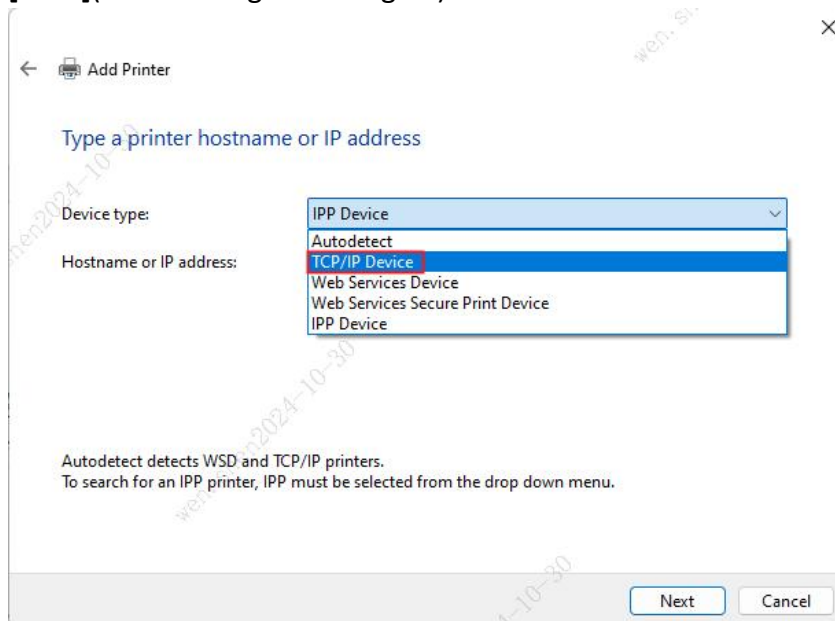


Fig.74

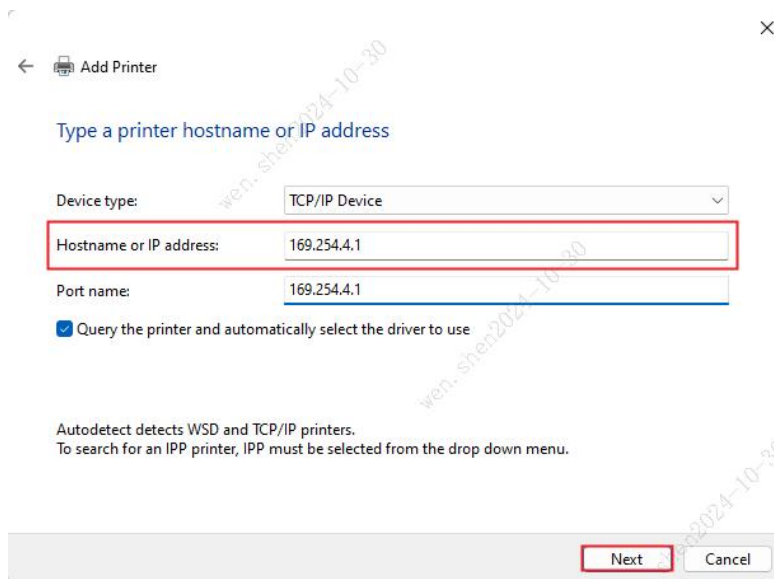


Fig.75

⑤ The Check TCP/IP Port page is displayed. When the TCP/IP port is being detected, wait. Do not click Cancel (shown in Fig.76).

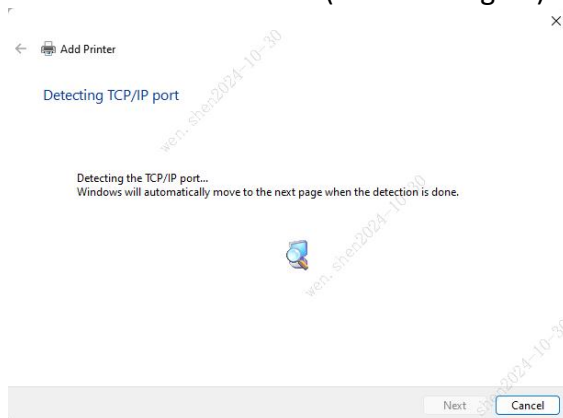


Fig.76

⑥ After the TCP/IP port detection is complete, the "Additional port information required" interface will be displayed. You can ignore this interface and directly click [Next] (shown in Fig.77).

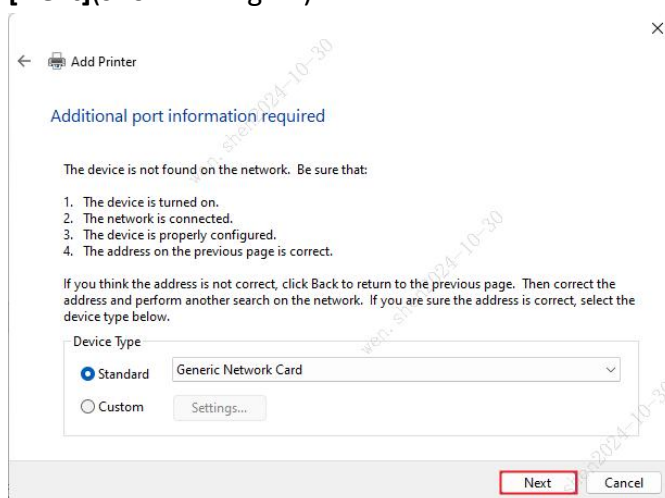


Fig.77

⑦ The Driver Model Check window is displayed. Please wait until the TCP/IP port is being detected. Do not click Cancel (shown in Fig.78).

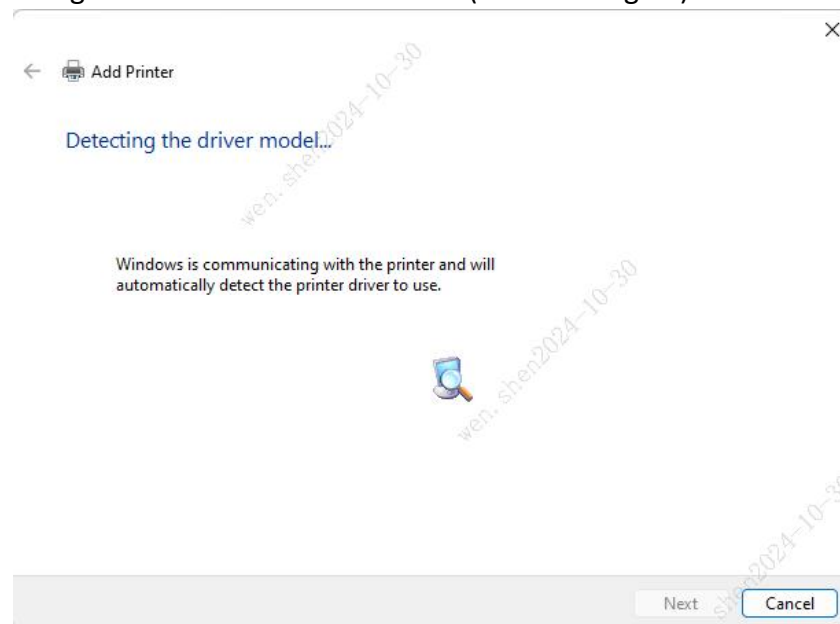


Fig.78

⑧ If the USB driver is not installed, follow steps ⑥ to ⑪ of the **manual PNP installation** procedure for the **USB driver** to complete the driver installation when installing the network port driver.

⑨ If the USB driver is already installed when installing the network port driver, you can skip steps ⑥ to ⑨ of the **manual PNP installation** procedure for the **USB driver**. Instead, directly enter the driver model selection interface, select the corresponding printer model, and click **[Next]** (shown in Fig.79).

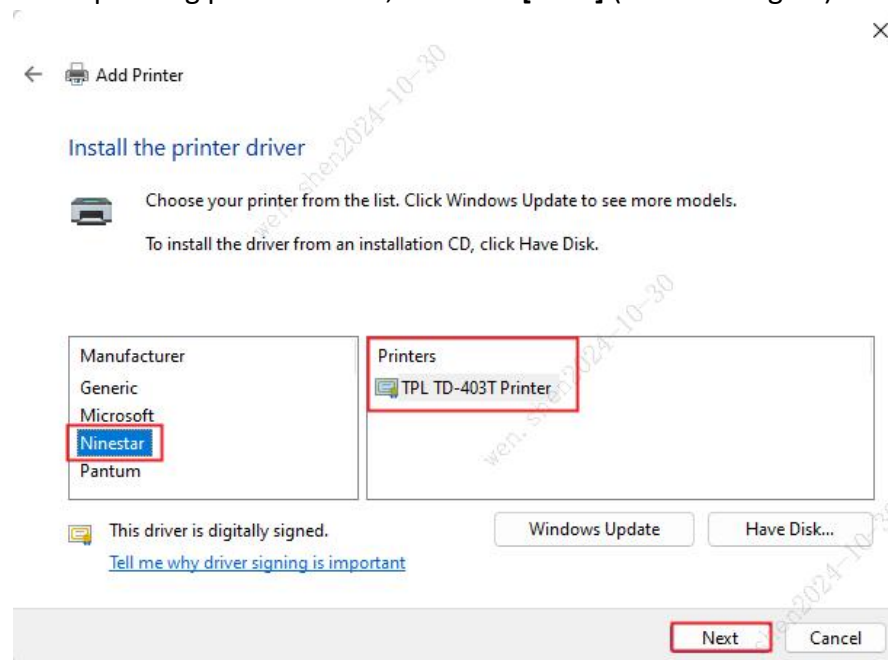


Fig.79

⑩ Enter the "Which version of the driver do you want to use" interface, select **"Use the driver currently installed"**, and click **[Next]** (shown in Fig.80).

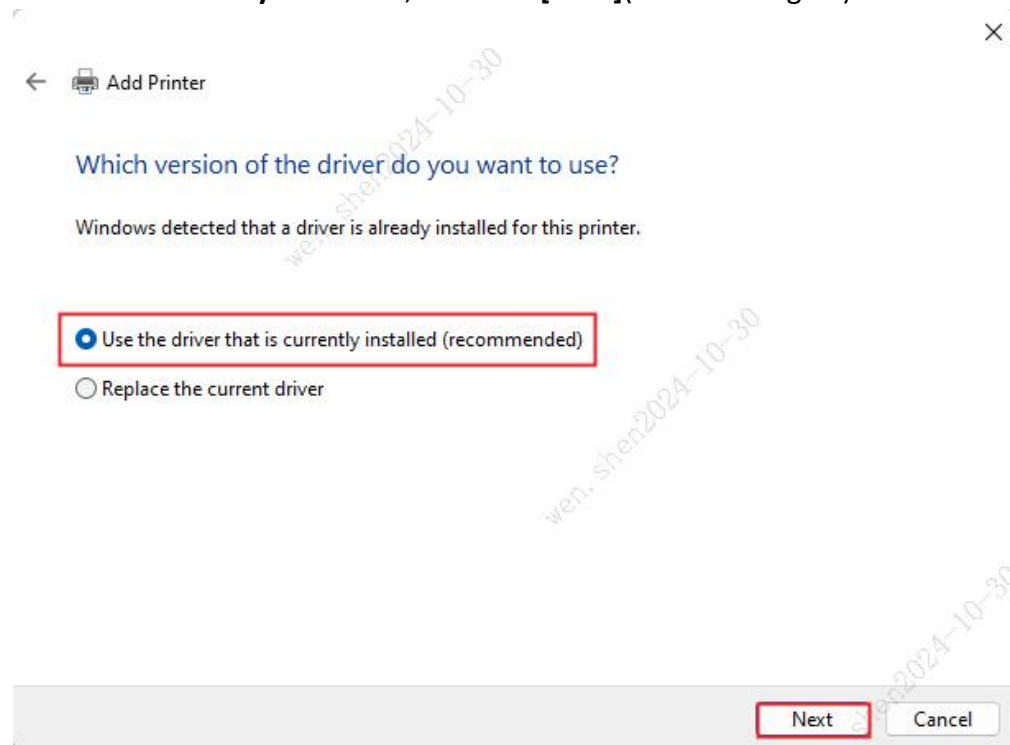


Fig.80

⑪ Finally, follow the manual installation steps for USB driver PNP ⑩ ~ ⑪ to complete the driver installation.

⑫ When the computer and printer are on the same local network, follow the one-click installation steps for the network port driver ⑦ to complete the network port-related settings.

IX. WiFi Driver PNP Manual Installation Steps:

① When the WiFi mode is **STA**, follow the steps ① ~ ③ of the one-key WiFi driver installation to complete the WiFi settings and information acquisition.

② When the WiFi mode is **AP**, follow step ④ of the one-key WiFi driver installation to complete the WiFi settings and information acquisition.

③ Follow steps ② ~ ⑪ of the manual installation of the Ethernet port driver PNP to complete the WiFi driver installation.

When the network printer driver is installed and the print job cannot be printed, and the computer prompts an error, ①: You can press **"win+R"** on the keyboard to bring up the "Run" box, type **"cmd"**, open the "Command Prompt" interface, type **"ping+Space+Printer IP Address"** in the interface, and then press the **"Enter"** key. When **"Request timed out"** appears, it indicates that the computer and the printer are not on the same network segment, resulting in network failure (shown in Fig.81); when a reply from the printer IP appears, it indicates that the computer and the printer are on the same network segment (shown in Fig.82); ②: Check if the IP address is entered incorrectly.

```

C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.22631.4317]
(c) Microsoft Corporation. All rights reserved.

C:\Users\wen.shen>ping 192.168.1.101

Pinging 192.168.1.101 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.1.101:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Users\wen.shen>

```

Fig.81

```

C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.22631.4317]
(c) Microsoft Corporation. All rights reserved.

C:\Users\wen.shen>ping 192.168.1.101

Pinging 192.168.1.101 with 32 bytes of data:
Reply from 192.168.1.101: bytes=32 time=122ms TTL=255
Reply from 192.168.1.101: bytes=32 time=128ms TTL=255
Request timed out.
Reply from 192.168.1.101: bytes=32 time=114ms TTL=255

Ping statistics for 192.168.1.101:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss)
    Approximate round trip times in milli-seconds:
        Minimum = 114ms, Maximum = 128ms, Average = 121ms

C:\Users\wen.shen>

```

Fig.82

X.Print Test Page Operation Steps:

- ① Open the computer "Control Panel", enter the "Bluetooth & devices" interface (shown in Fig. 83 and 84).

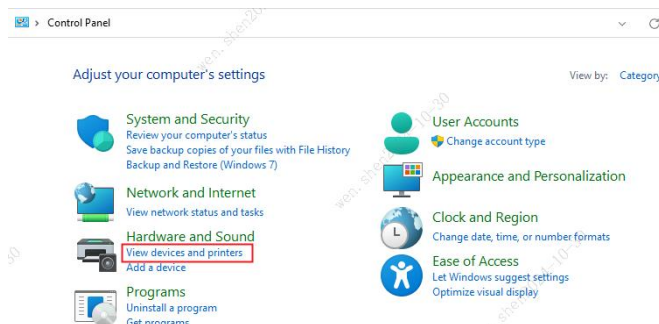


Fig.83

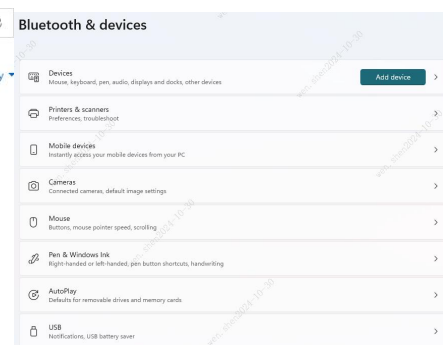


Fig.84

②Click **[Printers & Scanners]** to enter the printer and scanner interface and find the printer that has been added successfully (shown in Fig.85).

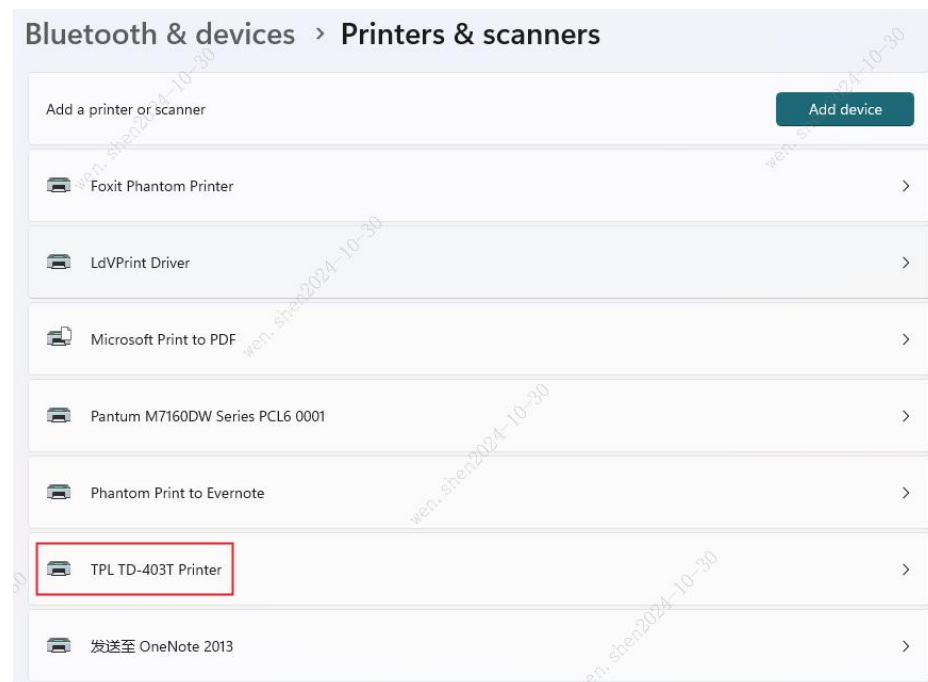


Fig.85

③Enter the "Printer Properties" interface, click the **[Print Test Page]** option in the interface, and you can print a test page through the Windows driver (shown in Fig.86)

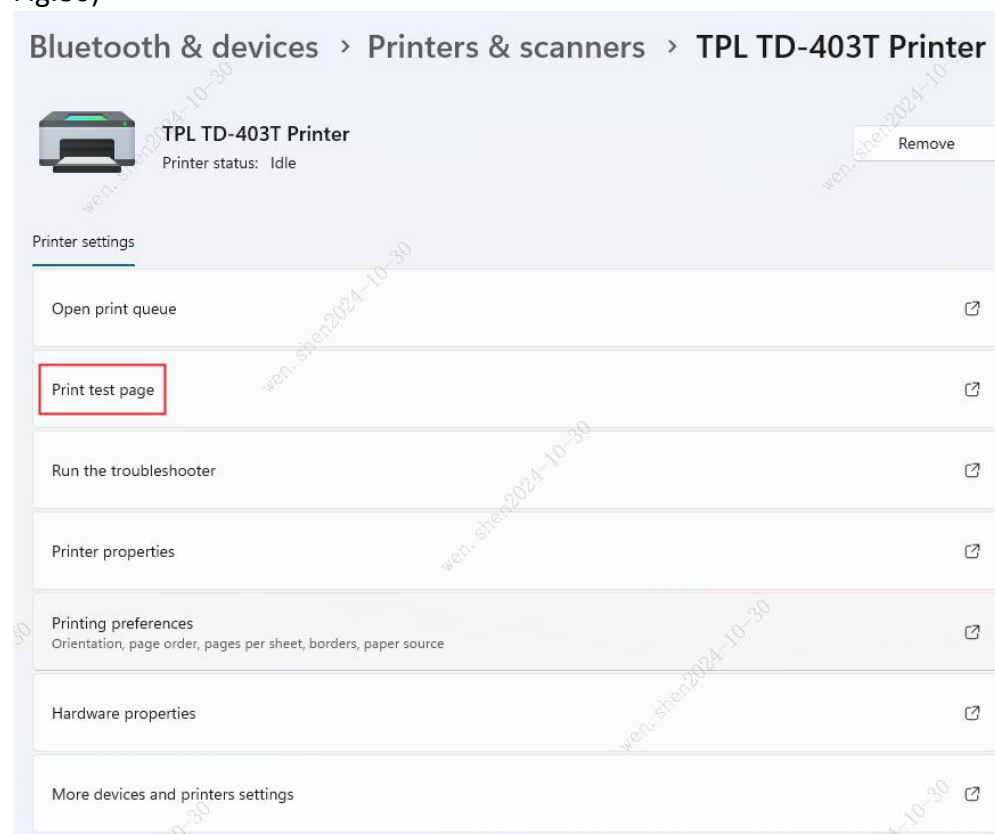


Fig.86

④ After using the one-click installation, click **[Print Test Page]** on the installation completion interface to print the test page (shown in Fig.87).



Fig.87

⑤ After manual addition is completed, you can click **[Print a test page]** on the driver installation completion interface to print the test page (shown in Fig.88).

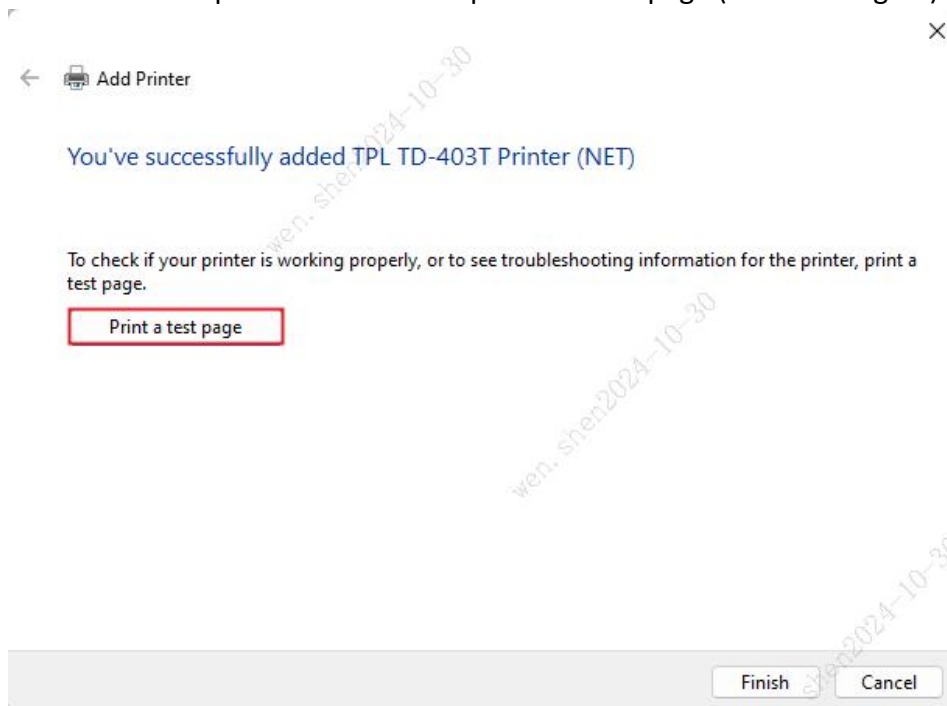


Fig.88