POS Printer

Ethernet Interface User's Manual

1、 Function Summary

The interface board which is used for POS Printer, is the Ethernet interface. It can make the printer connect the Ethernet.

2、 Access Method

The Interface board have two interfaces, the one connect the serial or parallel interface of SPRT printer, it is the TTL interface standard, the other is the 10Base-T/100Base-Tx, automatically adapt Ethernet Interface，it may work under the Full-duplex or half-duplex mode.



3、 Protocol Support

Ethernet 802.3 protocol, the TCP、UDP、ICMP、IP、ARP、HTTP、SPRT printing agreement LP/LPR is the top agreement.

4、 Communications Connection

The interface board support the HTTP agreement, users may use the IE to visit the interface board through internet, then may receive the information of interface board ,and set the parameter of interface board.

About the interface board, the foremost IP address information, as follows:

IP：192.168.1.114

Subnet mask：255.255.255.0

HTTP server，the port No. is 80.

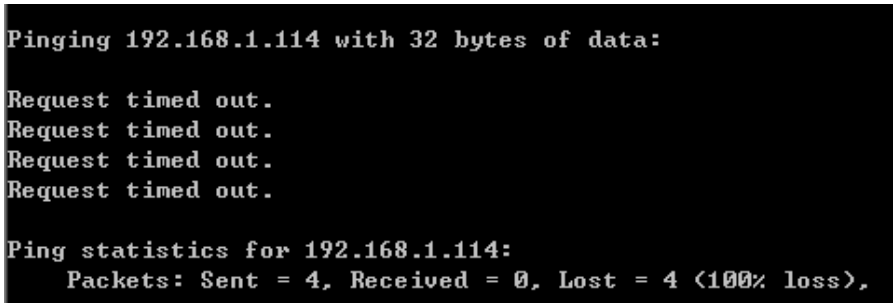
The software support the ICMP agreement, users may test the connection state by the PING order, after connected normally. For Example: ping 192.168.1.114， if the state is normally, show that the network communication is normally.

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Pinging 192.168.1.114 with 32 bytes of data:

Reply from 192.168.1.114: bytes=32 time=1ms TTL=60
Reply from 192.168.1.114: bytes=32 time<1ms TTL=60
Reply from 192.168.1.114: bytes=32 time<1ms TTL=60
Reply from 192.168.1.114: bytes=32 time<1ms TTL=60

Ping statistics for 192.168.1.114:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

If display the error, please check the network line that if it connect the printer normally，and ensure that the host computer's IP address and the network printer's IP address is in the same network segment. Whether the network printer' IP address is right or not.



5、Use the IE

Open your IE，then key in the corresponding IP address in the address box，for example: http://192.168.1.114

If connect normally, you can see the corresponding information about the interface board by the IE。

You might key in the information which you needed to set the parameter of interface board.



Notice: After you changed the interface board information, please remember the new interface board information. If the information lost, please refer to the recovering item in attachment.

Printing (Test) Output

1、 System Self-test ：

When the printer don’t print the date, please click the button of interface board，and approximately keep 3 seconds，then the interface board will send the date to the printer, the date will display the interface board information.



2、 WEB Print The Test Paper

If the users connect the printer normally, users may logging in the printer by the WEB，The WEB will display the corresponding information，included the function of printing test. The users might press the （print button）to print the interface board information in the WEB server，the printing content is the parameter of interface board.



3、 Driver Printing

Install the SPRT Printer driver, SPRT provide the driver (the process of installing, please refer to the instruction), after installed successfully，the last step set the network,two parameter need to set, the one set the IP address of network printer（please key in corresponding printer's IP address），the other set the port No. about the printing service （Default 9100）.

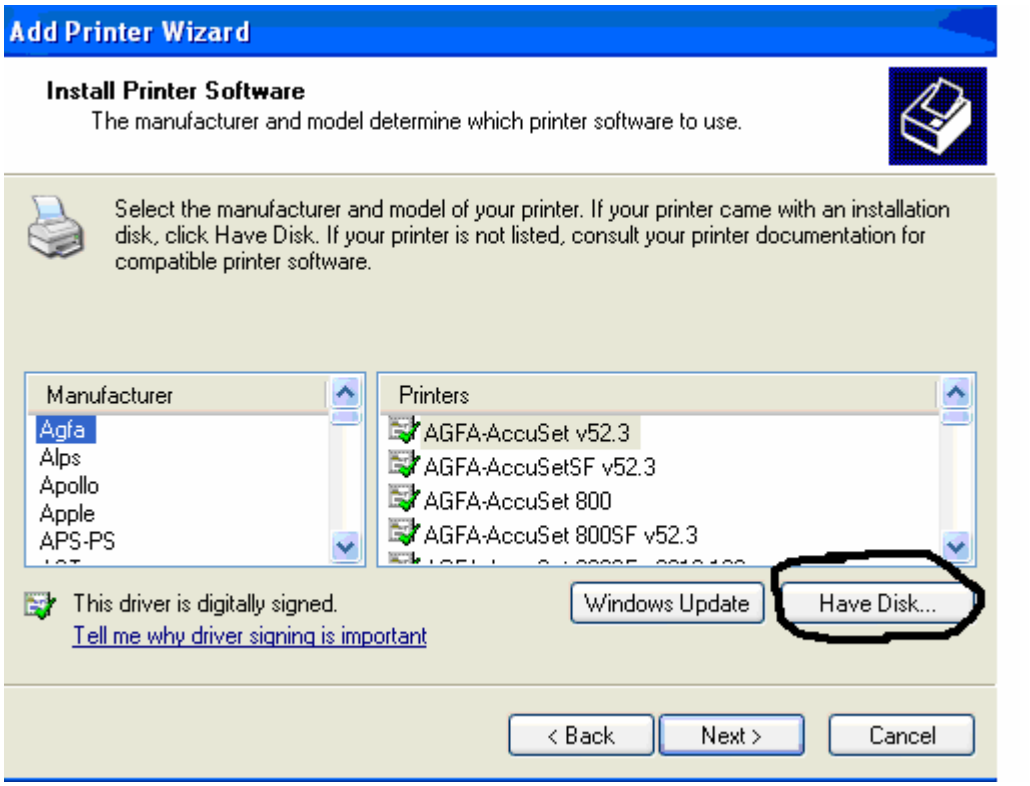
After set rightly, the user may print the test paper by the host computer, may directly print the date which needed too. The method is the same as SPRT other interface printer.

4、 Install Driver：

The installation method is same with SPRT other interface printers for the USB interface printer. The user only needs to select the port after the printer is installed.

4.1 In the add hardware wizard, choose to add hardware，and choose the local printer(needn't detect automatically).

4.2 Please choose the "parallel interface" from the port. Choose the installation method, click the "Have Disk".

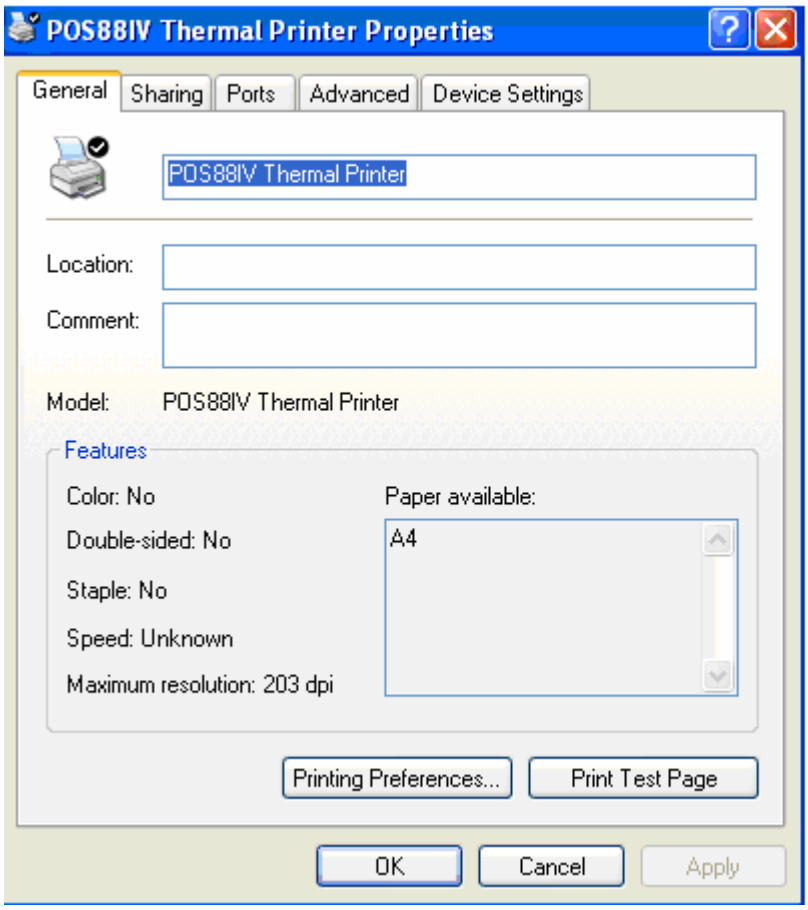


4.3 Choose the SPRT driver（Win2k/WinXP）, according to the user's system.

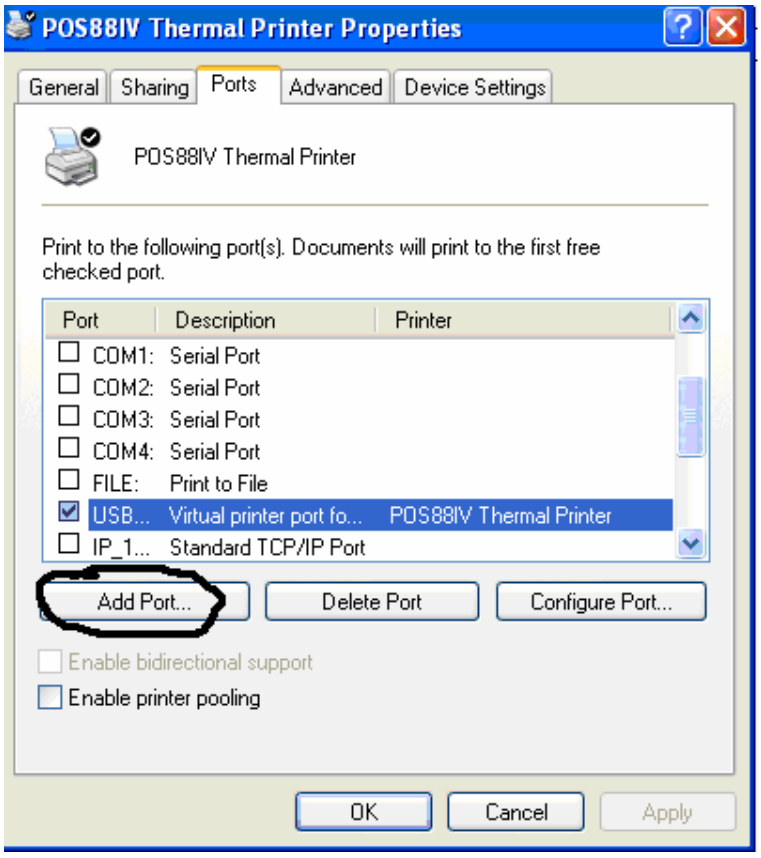
4.4 Finish installation（needn't printing test）

5、 Set Network Printer

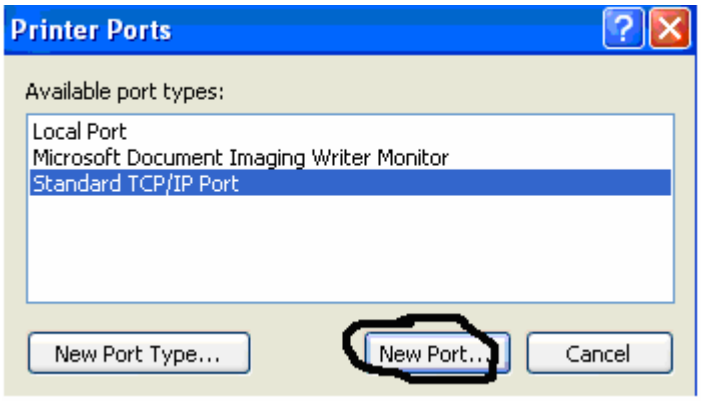
5.1 After finished to install the driver successfully, choose the "Properties"（when the user see the printer ico，click the right key），then choose the "Ports".


POS88IV Thermal Printer Properties
General
Sharing
Ports
Advanced
Device Settings
POS88IV Thermal Printer
Location:
Comment:
Model: POS88IV Thermal Printer
Features
Color: No
Double-sided: No
Staple: No
Speed: Unknown
Maximum resolution: 203 dpi
Paper available:
A4
Printing Preferences...
Print Test Page
OK
Cancel
Apply

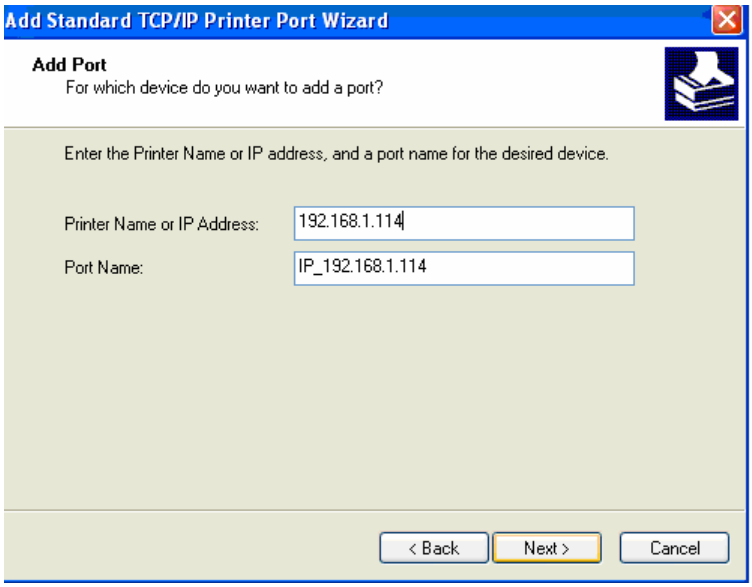
5.2 Add Port


POS88IV Thermal Printer Properties
General
Sharing
Ports
Advanced
Device Settings
POS88IV Thermal Printer
Print to the following port(s). Documents will print to the first free checked port.
Port
Description
Printer
COM1: Serial Port
COM2: Serial Port
COM3: Serial Port
COM4: Serial Port
FILE: Print to File
USB... Virtual printer port fo... POS88IV Thermal Printer
IP_1... Standard TCP/IP Port
Add Port...
Delete Port
Configure Port...
Enable bidirectional support
Enable printer pooling
OK
Cancel
Apply

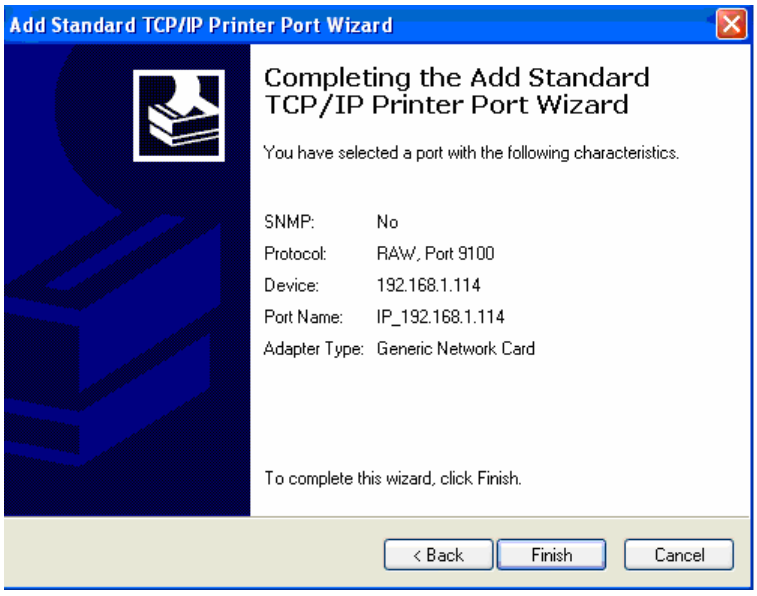
5.3 Choose the TCP/IP agreement item in the dialog box.



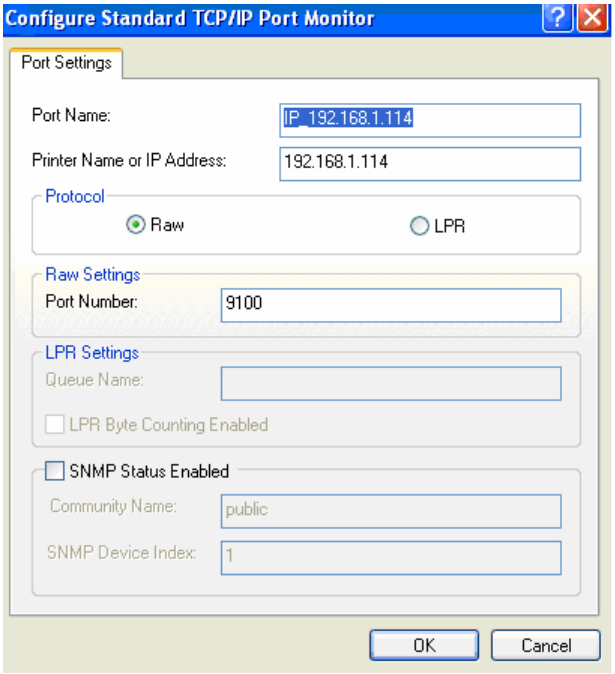
5.4 Choose “New Port”，then key in the network printer’s IP address in the dilogue box，for example: 192.168.1.114（Default）.



5.5 Eles setting may choose the default，then end the installation.



The setting information may amend，when you needed. Click the “properties”，then choose “Ports”， next choose the “Port Settings”，finally key in the corresponding parameter which the users needed.



Finish to set, print now！

6、 Set the network printer interface

Key in the network printer’s IP address in the IE address box，then the website is opened（if don’t know the IP address, may print output by the button on the interface board. The detailed step as follows: press the button and keep 3-4 seconds，loose the button，the printer will be output the IP address.），then key in the corresponding date in the printer’s setting box. Finally, press the“set” button.



Notice: When the users set the IP address, don't set the wrong date，if the users key in the wrong IP address, may recover the primal setting，then key in the right IP address.

Don't press the interface board's button, when the printer is printing，otherwise maybe cause the wrong printing result.

7、 Recover the primal setting

Before connect the power supply, press the interface board's button, and keep 3-4 seconds，then loose the button.

Default IP address: 192.168.1.114
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.1.1
WEB Service Port：80
Printing Service Port: 9100

Else Information

The most connection request synchronously	3 （else printing request waiting）
The most printing synchronously	1 (else printing request waiting)
The longest time of connection printer，print every time	5 minutes
Web Server Edition	HTTP/1.1