

USER'S MANUAL

For Ethernet Printer

1. Summary

Ethernet printer has been widely used in kitchen print with reliable quality, full compatibility, high speed features. Ethernet printer realize printing with network instead of the method of Parallel+ print server, at the same time of high speed printing, avoid printing loss problem, reduce applying cost, improve reliability. Ethernet printer has following upgrade feature

**Anti-oil, waterproof, dustproof*

**Beeping when printing with problem.*

**Support EPSON ESC/POS commands and STAR command.*

**Support Simply Chinese, traditional Chinese, Japanese, Korean, and 65kinds of different international languages,*

**Beeping automatically if printer get print command*

**High speed in driver mode printing and characters printing, with 250mm/s in printing characters, and 220mm/s in driver mode printing.*

**Serial port 115200bps high speed print, optional parity bit (None, Odd, Even, Space and Mark) for serial port.*

**Paper-end Reprint: Paper end cause printing unfinished, now install a new paper roll, unfinished printing will be repeated to get it completely finished.*

**Printer is embedded with software: Defend software property, with this function, printer can't be working properly if software or printer changed.*

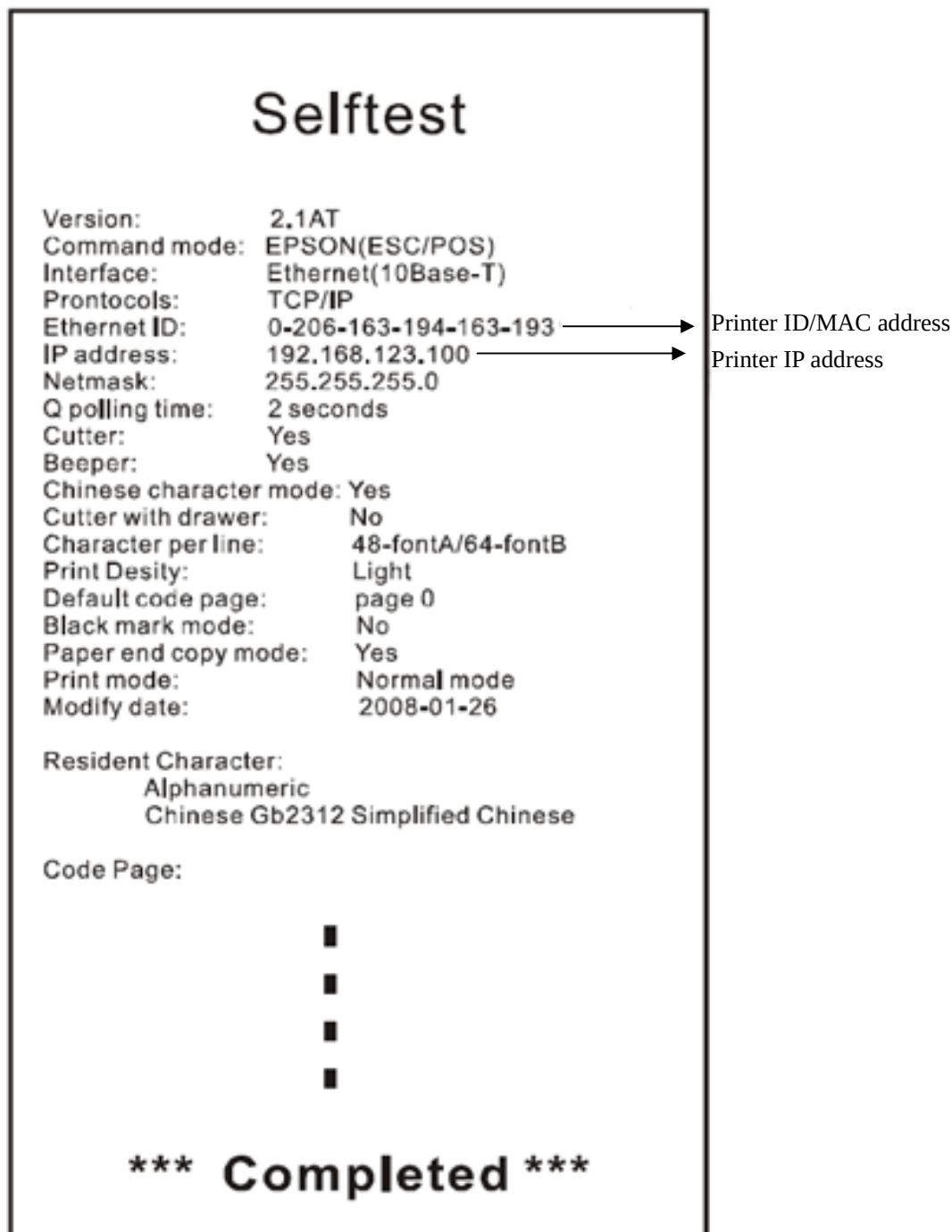
**Ethernet multi-link: When one printer is online printing, another printer can be connected and holding online, waiting for printing command.*

**Monitor during printing: Instruct by command, response printer status until print out, realize checking printer status before printing and in printing, and re-checking after print out, to guarantee complete print and status coherence.*

2. Check printer IP address and ID address

Print self-test page to check printer IP address and ID address. Default IP address is 192.168.123.100. ID address is occurred automatically. Usually it is different, but sometime will be same ID address problem. So need to check the self-test page if such problem, if so we need to use Ethernet Test and setup program "ETHERNET.exe" to change the ID of printer to make each printer with its own ID. Otherwise will happen printer

can be disconnected or intermitted. Self test: get printer connected, keep pressing FEED button, and at the same time Open printer, firstly test return position after that within 5minutes loose FEED button, then printer will print out self test page.



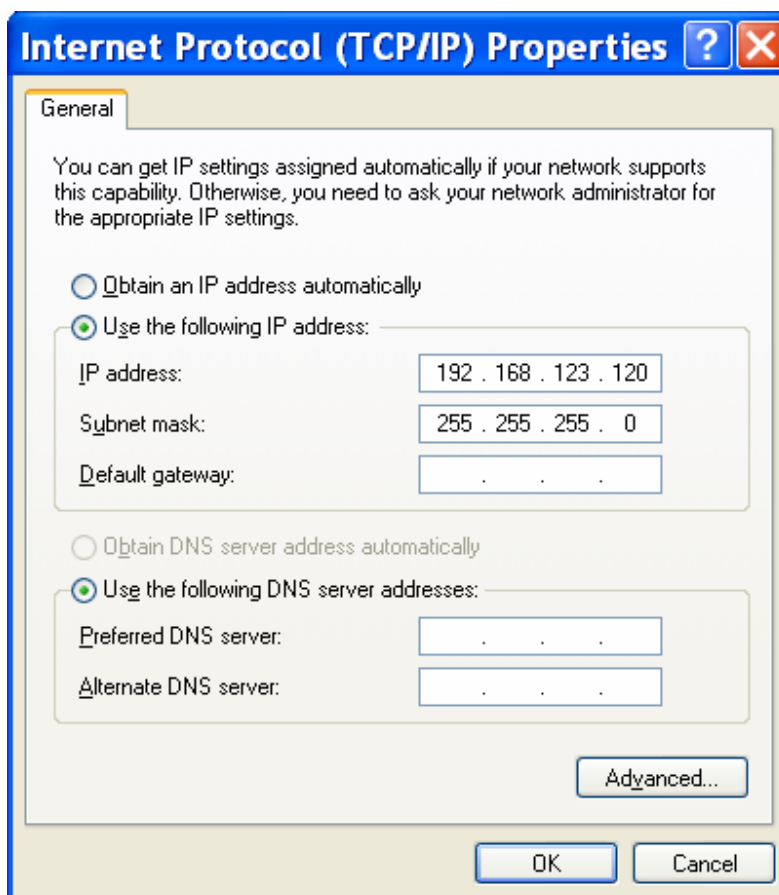
3. Ethernet printer installation and operation

(1) IP address should be exclusive, which also should be different between printer and PC.

If with same IP address problem, will happen printer can be disconnected or intermitted problem. User can find "ETHERNET.exe"

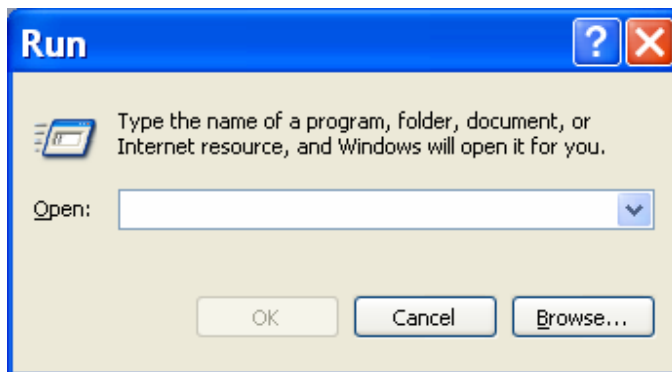
(2) Ethernet ID address should be exclusive, which also should be different between printer and PC. If with same ID address problem, will happen printer can be disconnected or intermitted problem. User can find "ETHERNET.exe"

(3) Default IP address is 192.168.123.100. In order to make printer communicate with printer normally, we need to setup PC IP address to be same rank as printer (192.168.123.x), such as 192.168.123.120, as following photo:

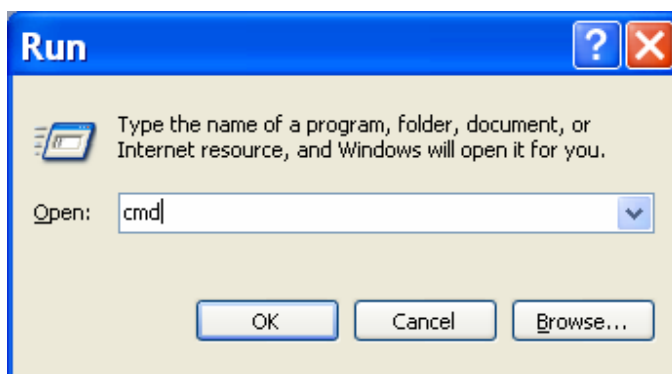


After PC IP is laid on same rank as printer IP, test the network connection status between printer and PC. If the printer IP address on Self test page is 192.168.123.100,

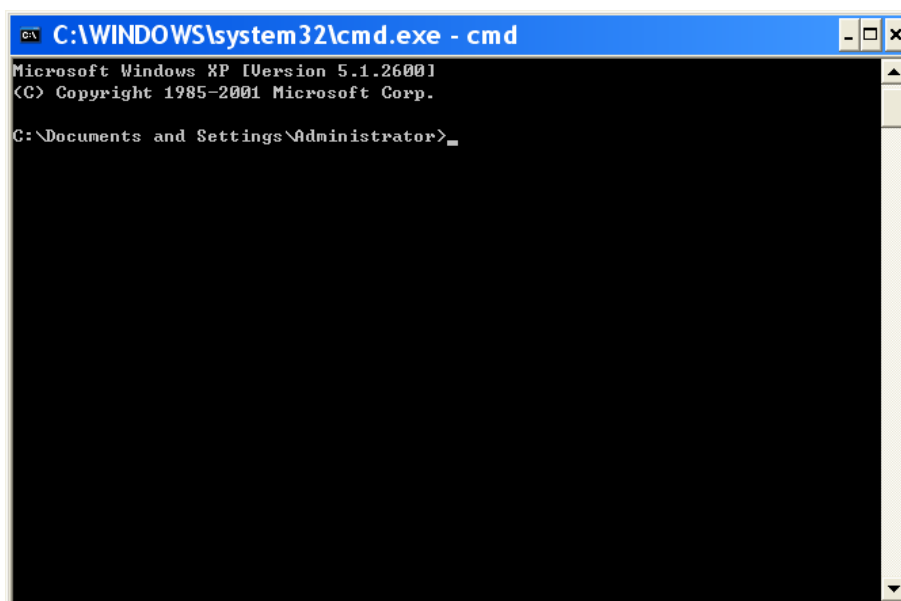
click “Start” to show following photo:



Input “cmd”, showing as following:

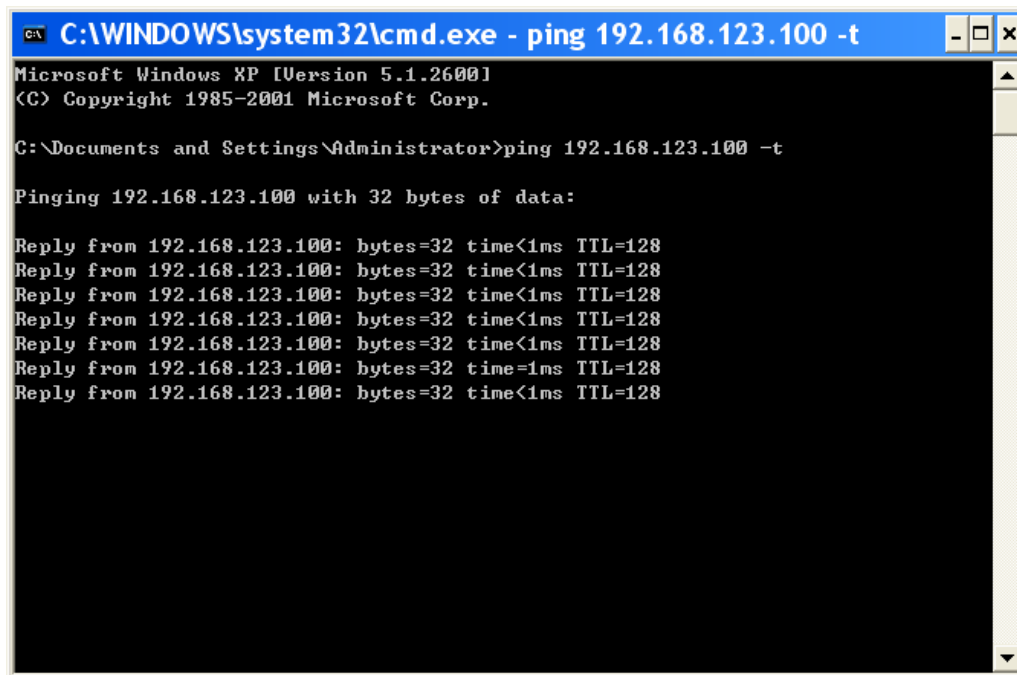


Then “OK”, showing as following:



Input “ping” command to test internet connection, Just input “ping 192.168.123.100 -t “,

then press “ Enter”, if PC is communicating with printer normally, it will show as following:



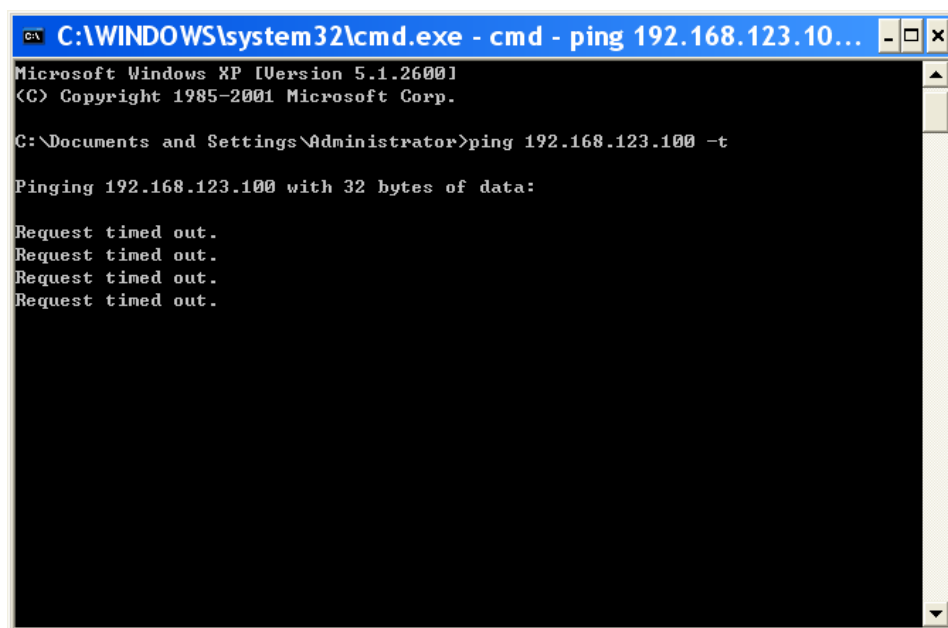
```
C:\WINDOWS\system32\cmd.exe - ping 192.168.123.100 -t
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Administrator>ping 192.168.123.100 -t

Pinging 192.168.123.100 with 32 bytes of data:

Reply from 192.168.123.100: bytes=32 time<1ms TTL=128
Reply from 192.168.123.100: bytes=32 time<1ms TTL=128
Reply from 192.168.123.100: bytes=32 time<1ms TTL=128
Reply from 192.168.123.100: bytes=32 time<1ms TTL=128
Reply from 192.168.123.100: bytes=32 time<1ms TTL=128
Reply from 192.168.123.100: bytes=32 time<1ms TTL=128
```

Otherwise, will show “Request timed out” result as following



```
C:\WINDOWS\system32\cmd.exe - cmd - ping 192.168.123.10...
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Administrator>ping 192.168.123.100 -t

Pinging 192.168.123.100 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.
```

4. Ethernet printer test and setup program

Note: compatible with WinNT、Win2k、WinXP、 Win2003 system

(1) Install Ethernet .exe,

- (2) Start self test page, to check printer IP address and Ethernet ID.
- (3) Setup PC IP to be same rank as printer IP, if IP address is 192.168.123.100 PC IP address can be 192.168.123.120. Under “Printer current IP address” directory, input current IP address, if IP address in selftest page is 192.168.123.100, then input 192.168.123.100, after that start “Connect Test”, if connect successfully, will show as following:



If failed, will show following photo.



If it is failed, please check following content:

A. Is the PC IP in same rank as printer IP?

Note: before connecting successfully, must make PC IP in same rank as printer IP.

B. Is the cable connecting PC and printer is with get to standard for network?

Note: Use crossing-line to connect PC with printer; PC is connected with printer by HUB or ROUTER, printer is connected with HUB or ROUTER by parallel line. Using Networking Testing Instrument to test network working normally or not.

C. Operate “ping” command to test printer is communicate with PC normally or not.

- (5) Under “Printer new IP address” directory, input printer new IP address, for example, if you want to revise IP address into “192.168.1.200”, then please input “192.168.1.200”, after that click “Set New IP Address”, then IP address is revised. Start self test page to check printer new IP address.

Note: IP address of PC host and Ethernet printer IP address can not be repeated.

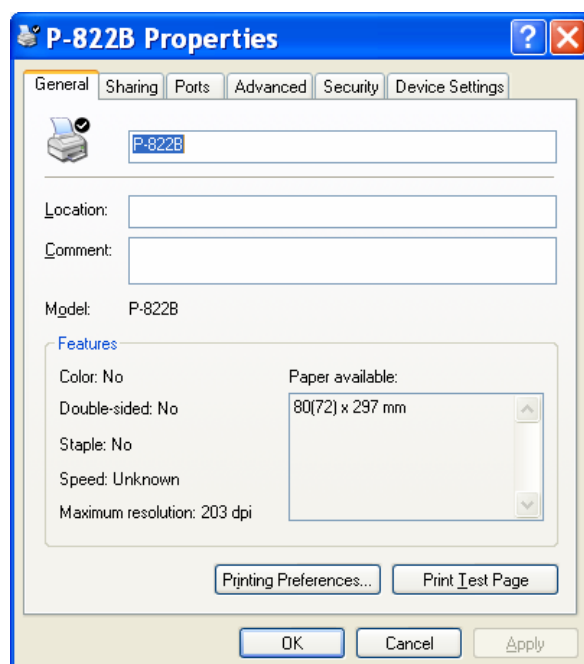
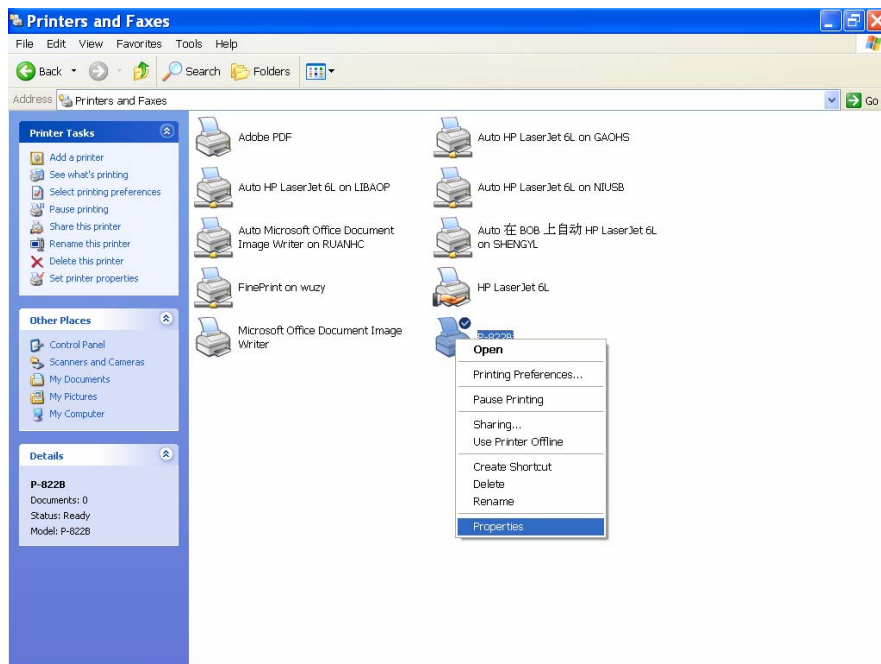
(6) During installation, if ID address is conflict with same No., you need to revise ID address by Ethernet .exe program, instruction as following: If two printers with same ID, firstly connect one printer with PC (Note: only one unit with same ID connected with PC, the other one need to be out of internet or power off) Then under “Printer new Ethernet ID” directory, input new ID address (make sure ID is different from any printer or PC in the network), click “Set New Ethernet ID” to save new Ethernet ID. For example: if you want to revise “Ethernet ID” into “0-164-165-167-168-169”, then input “0-164-165-167-168-169”, then click “Set New Ethernet ID”, such Ethernet ID is revised, start self test page to check New Ethernet ID

Note: usually no need to revise Ethernet ID, each printer has its own Ethernet ID, sometime printers will get same Ethernet ID, and you need to revise Ethernet ID to make them different, otherwise with same IP address problem, will happen printer can be disconnected or intermitted problem. Besides, after revise Ethernet ID, usually need to restart PC, or cut off network and restart it again, then PC can be connected with printer successfully.

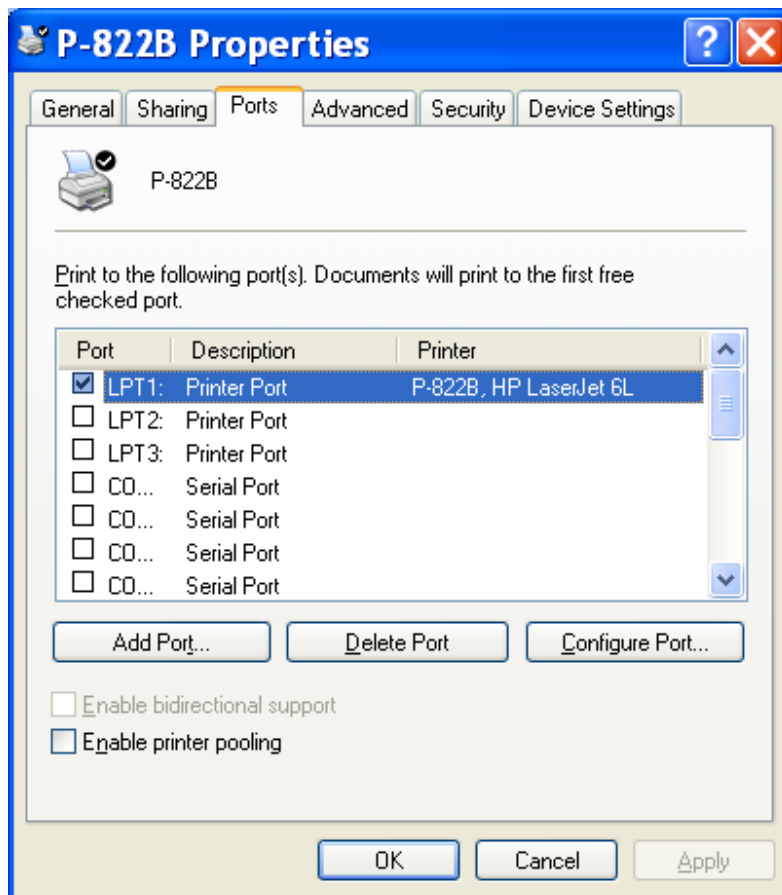
(7) After printer is connected with PC successfully, click “Print”, “Cut Paper”, “Cash Drawer” to test printer.

(8) Install printer driver program in CD.

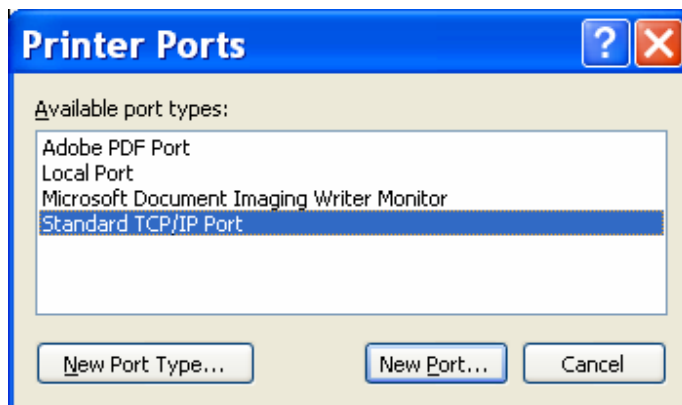
5. For example on model. After installing driver program, click “Start” ——>“printer and fax” ——> P-822B property.



6. Add and setup printer TCP/IP port, click "Port" directory, showing as following:



7. Then “Add” ——>“Standard TCP/IP Port” ——>“New Port”, showing as following:



8. If printer IP is “192.168.123.100”, input “192.168.123.100” in the blank, as following:

Add Standard TCP/IP Printer Port Wizard

Add Port
For which device do you want to add a port?

Enter the Printer Name or IP address, and a port name for the desired device.

Printer Name or IP Address: 192.168.123.100

Port Name: IP_192.168.123.100

< Back Next > Cancel

Then click “Next step”, showing as following:

Add Standard TCP/IP Printer Port Wizard

Additional Port Information Required
The device could not be identified.

The device is not found on the network. Be 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 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 the address is correct, select the device type below.

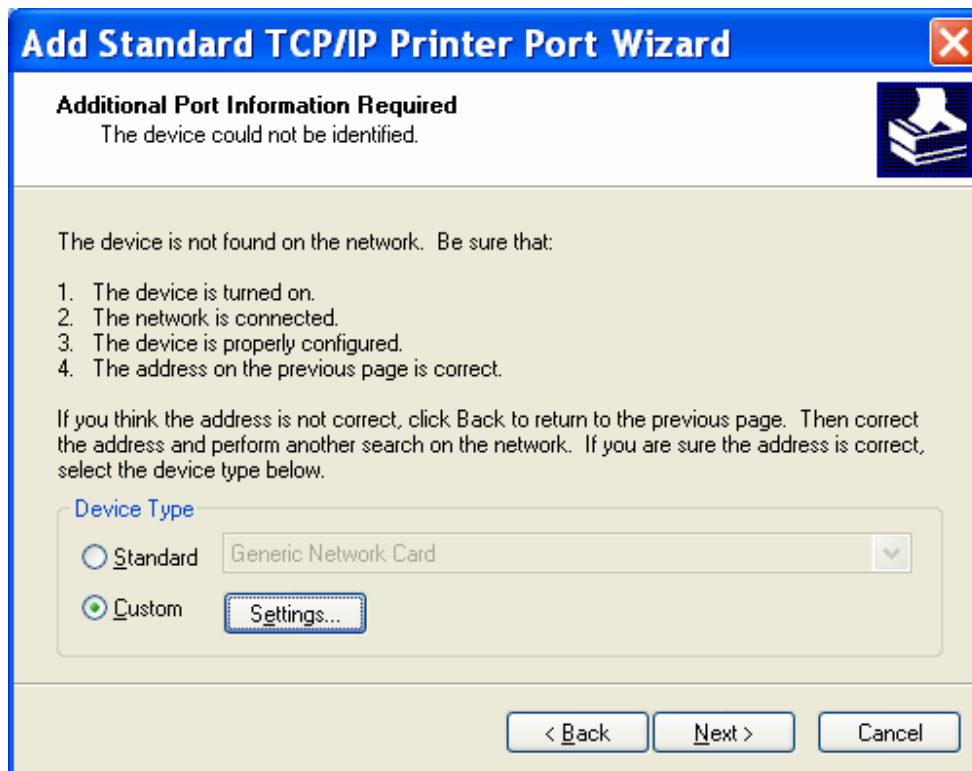
Device Type

☒ Standard Generic Network Card

☐ Custom Settings...

< Back Next > Cancel

Here need to choose “User-defined”, as following photo:



Click "Setup", as following:

Configure Standard TCP/IP Port Mon...

Port Settings

Port Name: IP_192.168.123.100

Printer Name or IP Address: 192.168.123.100

Protocol

☒ Raw ☐ LPR

Raw Settings

Port Number: 9100

LPR Settings

Queue Name:

☐ LPR Byte Counting Enabled

☐ SNMP Status Enabled

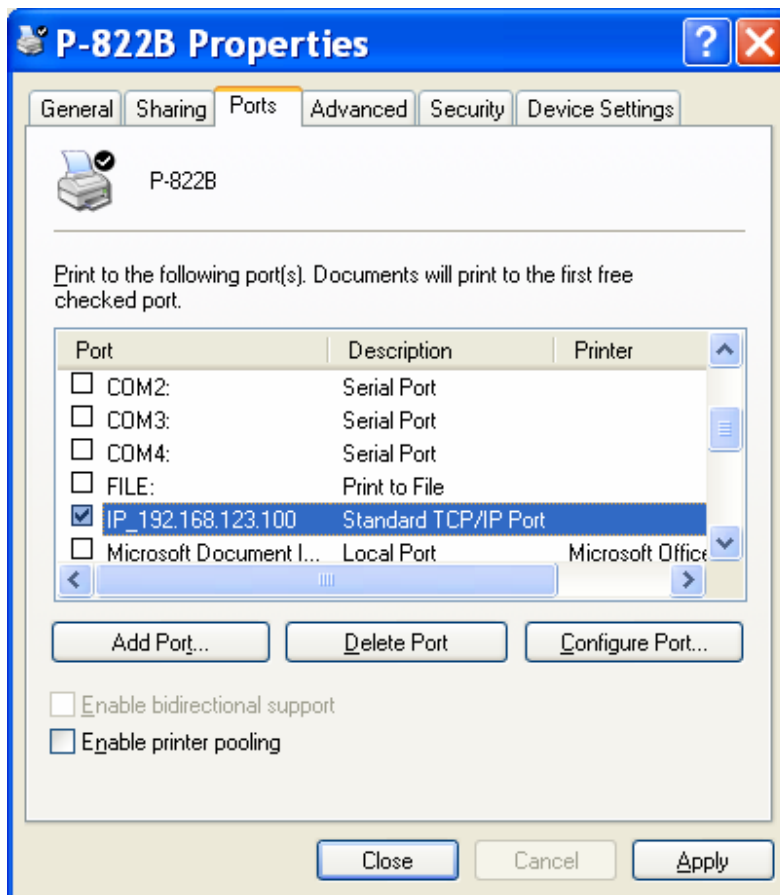
Community Name: public

SNMP Device Index: 1

OK Cancel

Ethernet printer IP and port as above photo, Choose “Raw”, set the No. as “9100”, and then click “Confirm” to get Ethernet port “IP_192.168.123.100”

9. After add “Standard TCP/IP port”, click printer “property”——>“port”, choose Ethernet “IP_192.168.123.100” and “Apply”, as following:



10. Print window test page, if successfully, printer is connected with PC normally, and you can use Ethernet printer normally.
11. If you want to install other Ethernet printers, you need to revise "Printer name", and install printer driver for next printer, because each printer must have its own name. Other setup can be referring above steps.