

POS Thermal Receipt Printer

A11 Prime



Net Configuration Tool

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1. Manual Information

This Net Configuration Tool Manual provides information on the utility program used to set printer operation conditions.

2. Operating System (OS) Environment

The following operating systems are supported for usage.

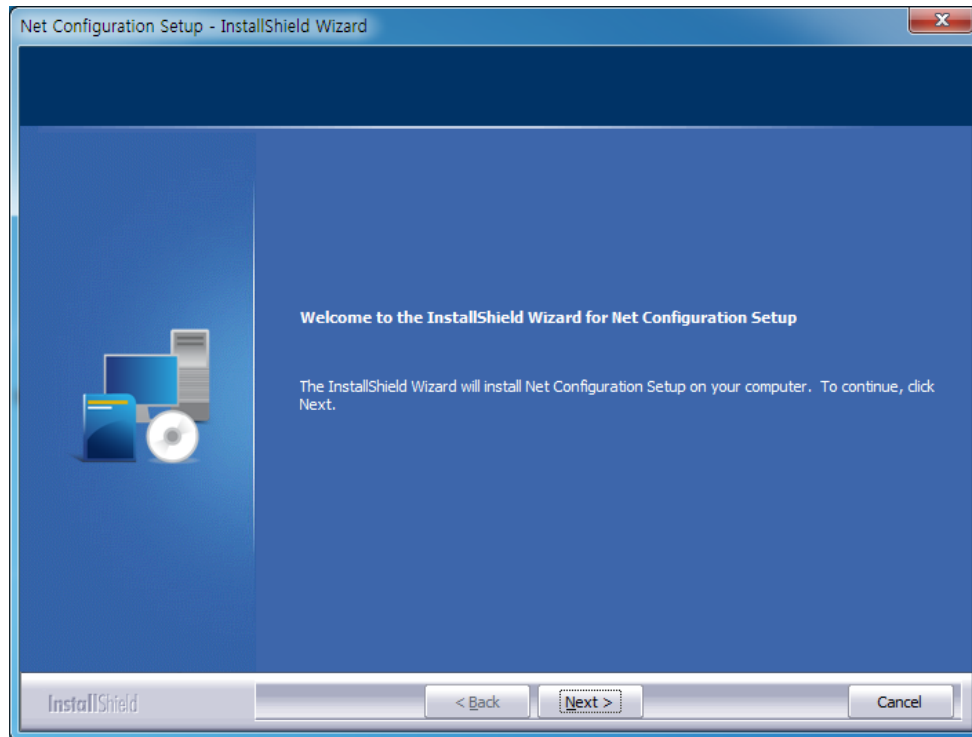
- Microsoft Windows XP SP3 Over (32bit/64bit)
- Microsoft Windows Server 2003 SP1 Over (32bit/64bit)
- Microsoft Windows Vista (32bit/64bit)
- Microsoft Windows Server 2008 (32bit/64bit)
- Microsoft Windows Server 2008 R2 (64bit)
- Microsoft Windows 7 (32bit/64bit)
- Microsoft Windows 8 (32bit/64bit)
- Microsoft Windows Server 2012 (64bit)
- Microsoft Windows 10 (32bit/64bit)

3. Software Installation & Uninstallation

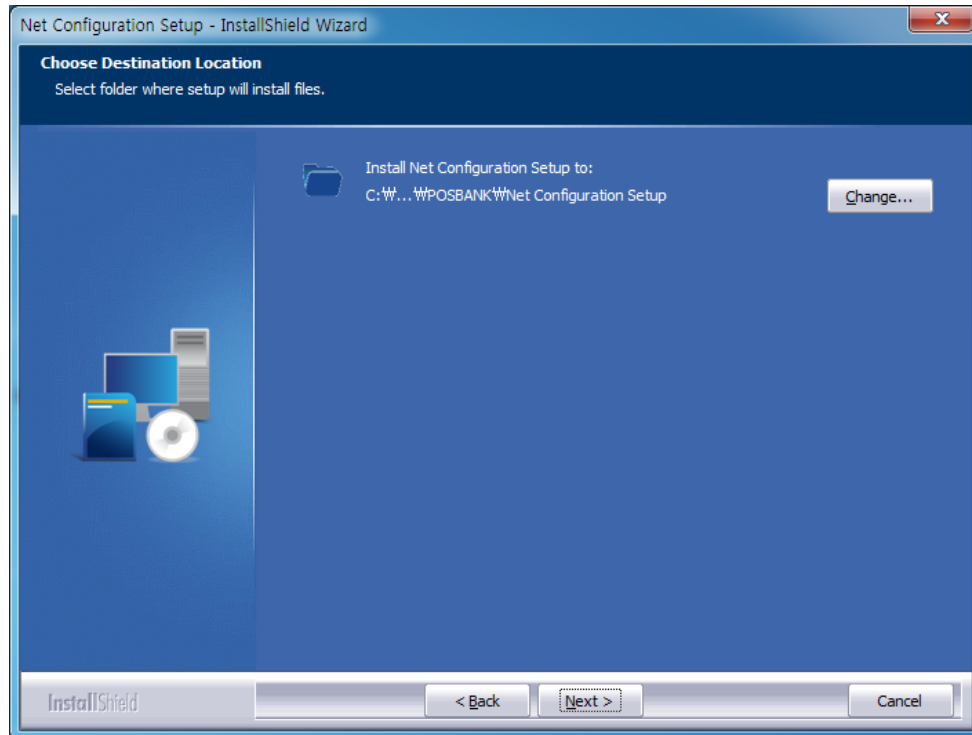
(This manual has described the windows7 operating system.)

3-1 Installation

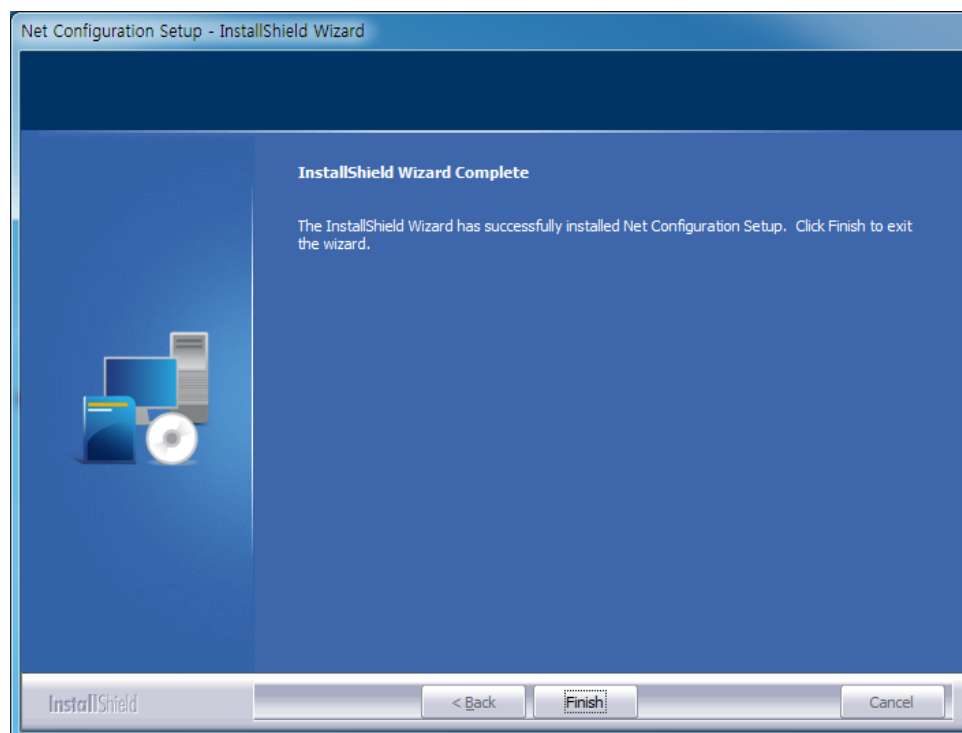
- 1) Execute the "Net Configuration Setup_V1.x.x.exe" file.
- 2) Click the "Next" button.



3) Click the "Next" button.

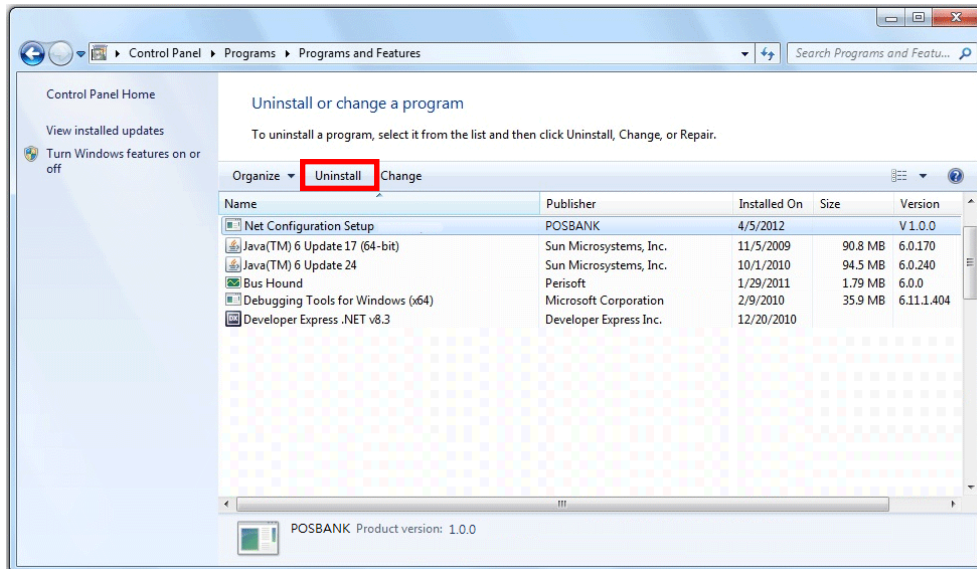


4) The following message appears upon the successful completion of installation.

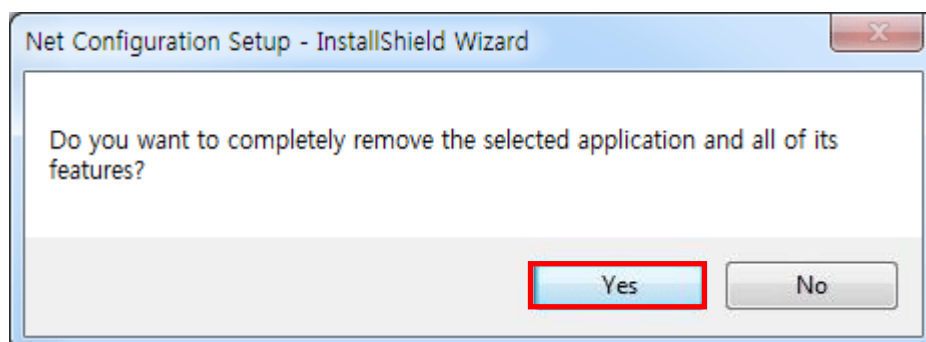


3-2 Uninstallation

- 1) Click and activate the "Programs and Features" icon in the Control Panel.
- 2) Select "Net Configuration Setup" and click the "Uninstall" button.



- 3) Click the "Yes" button to completely remove the application.



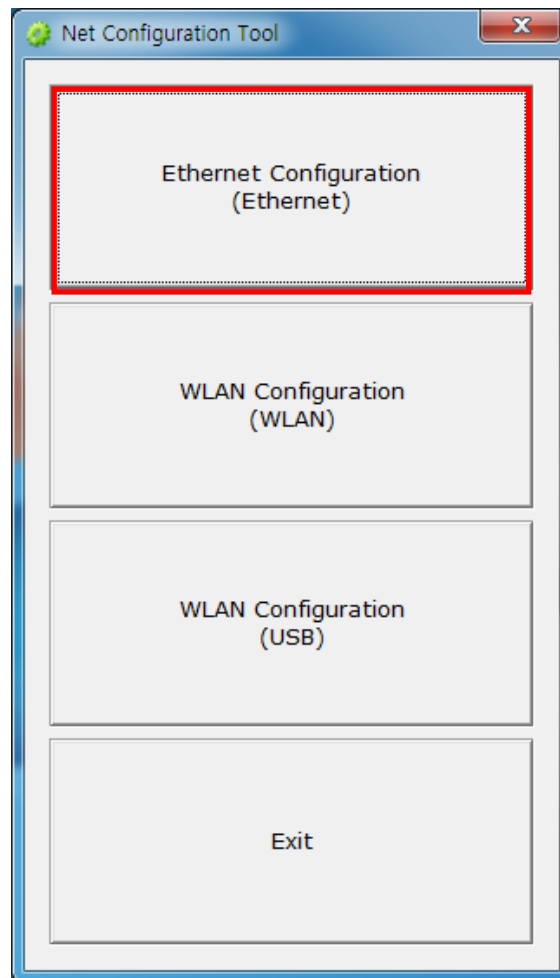
4. Configuration Tool

4-1 Configuration Tool

Install and execute Net Configuration Setup_V1.x.x.exe involved in CD.
(Start>> App Programs>> POSBANK>> Net Configuration)

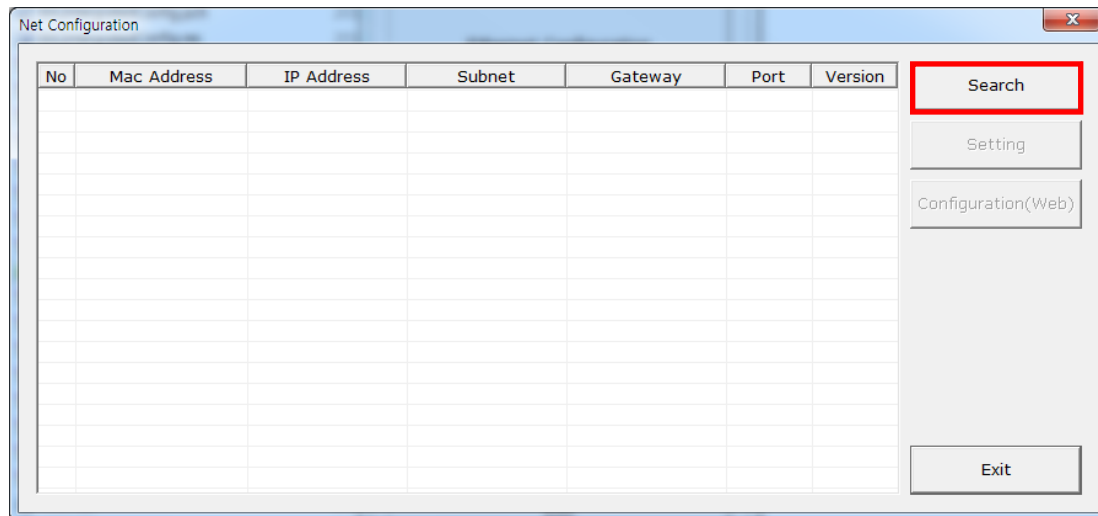
Click the Ethernet Configuration button when the printer is connected to the Ethernet, or click the WLAN button when the printer is connected through WLAN.

4-1-1 Ethernet Configuration

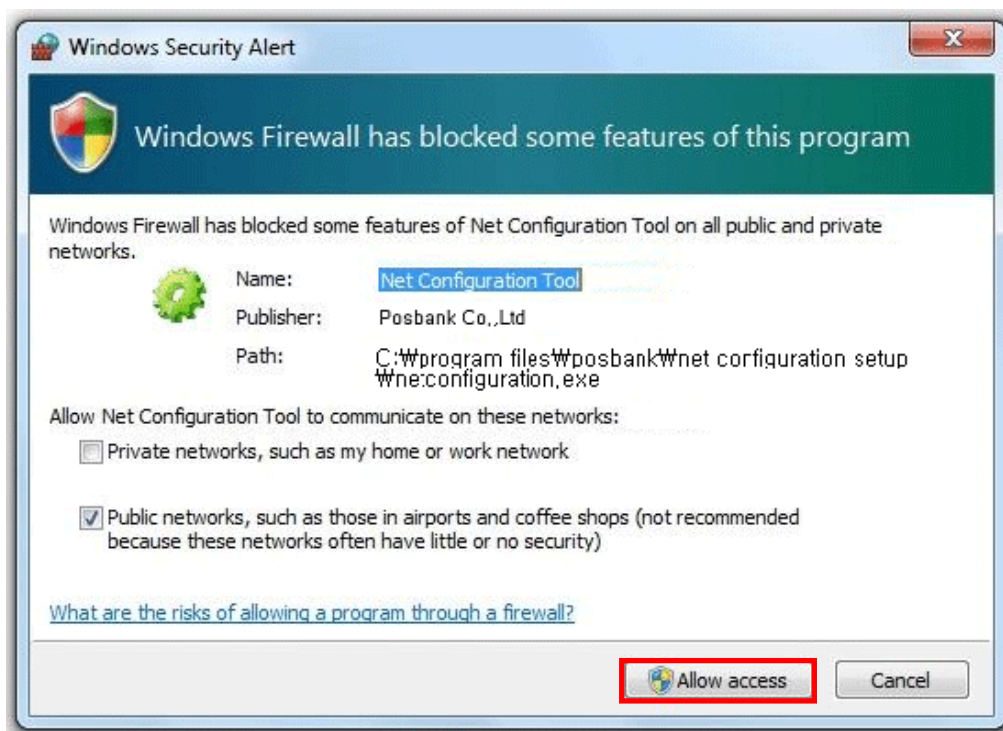


- 1) When you press the [Search] button, the printer connected to the network will be shown in the list.

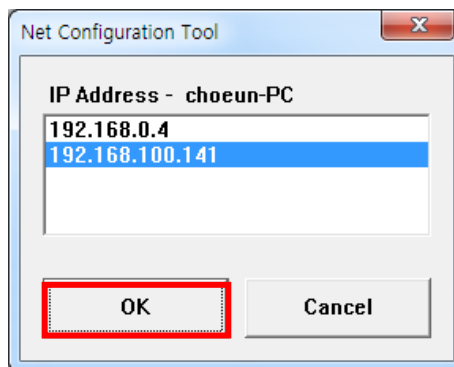
The following warning message may pop up if the firewall is installed.



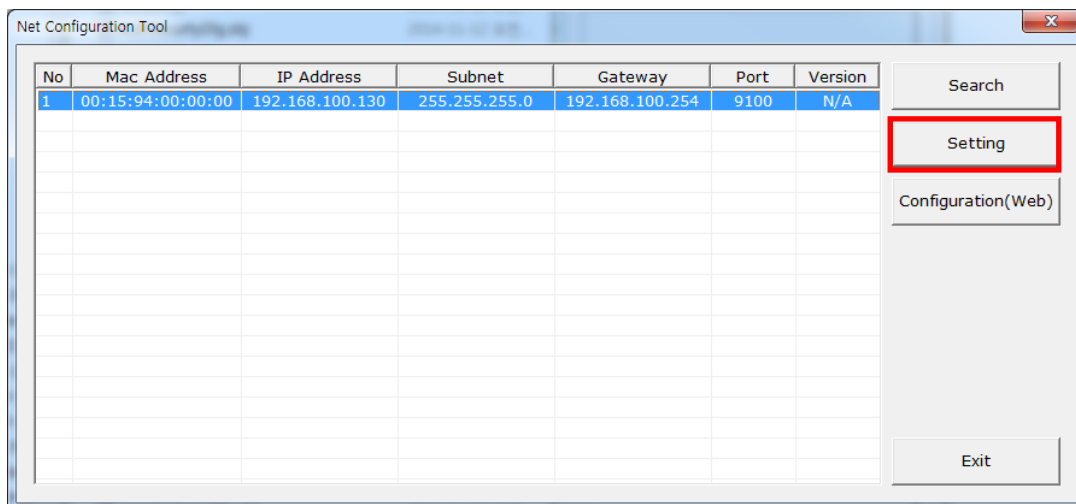
Select [Allow access], and then retry the Search operation.



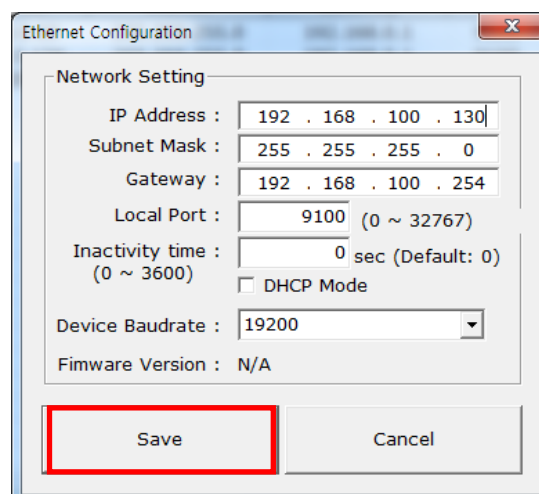
- 2) Select the IP address from the list to search the printer and click the [OK] button.
The list of printers connected to the selected IP will be displayed.



- 3) Select the printer from the list and press the [Setting] button, and then the following window for setting Ethernet settings will pop up.

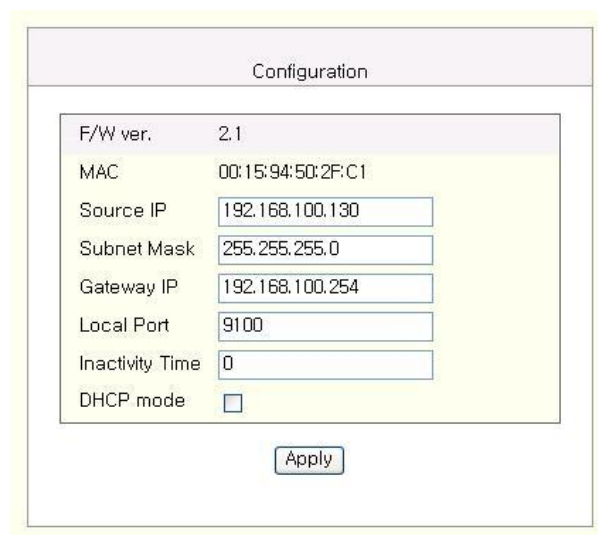
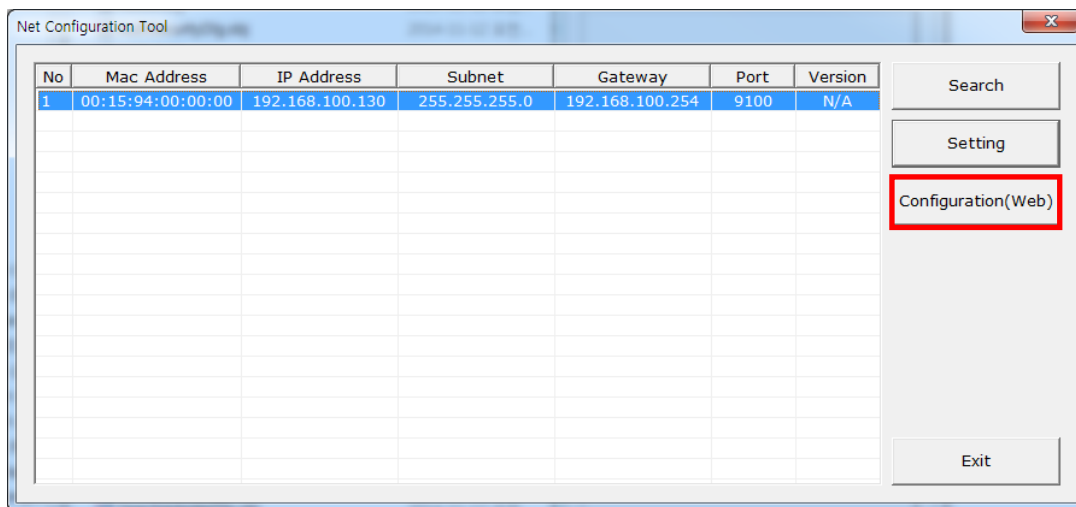


- 4) Enter the proper IP Address, Subnet Mask, and Gateway for the currently used network, and then press the [Save] button to save the settings.

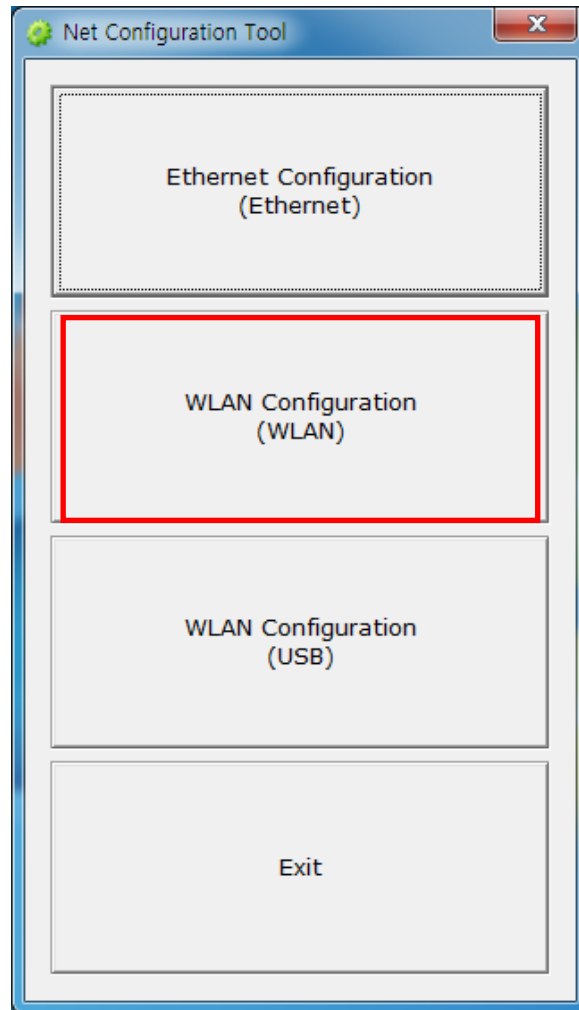


- * By setting "Inactivity Time", you can disconnect the printer to host device when the data is not transferred while inactivity time.
- * Device Baudrate setting, which is used for other models, is not necessary for our printer.

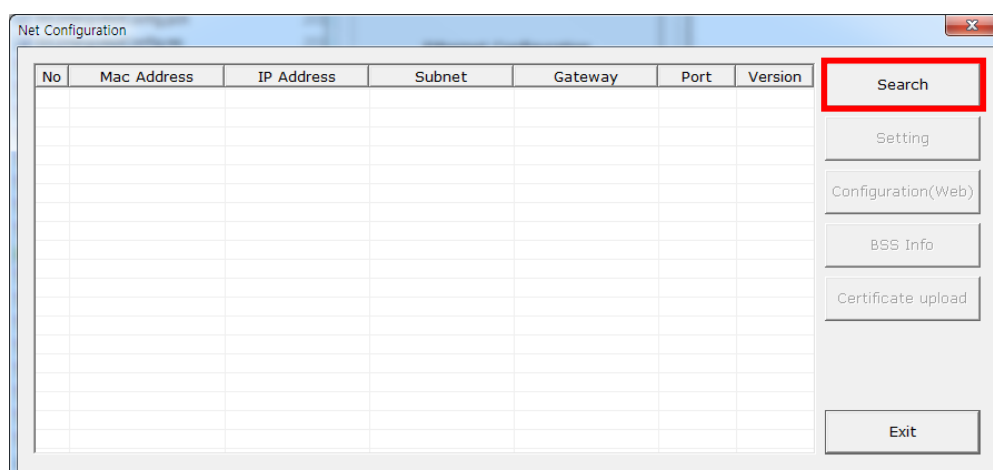
- 5) Select the printer from the list and press the [Configuration(Web)] button you will see the web browser for changing the Ethernet and WLAN settings as shown below.



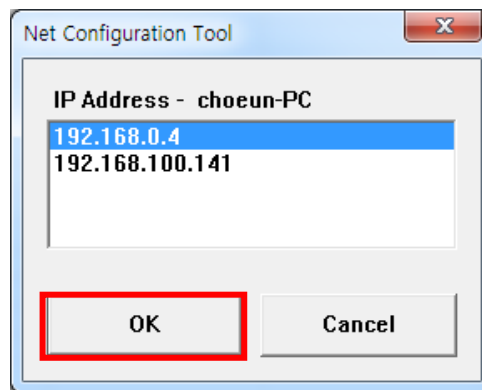
4-1-2 WLAN Configuration



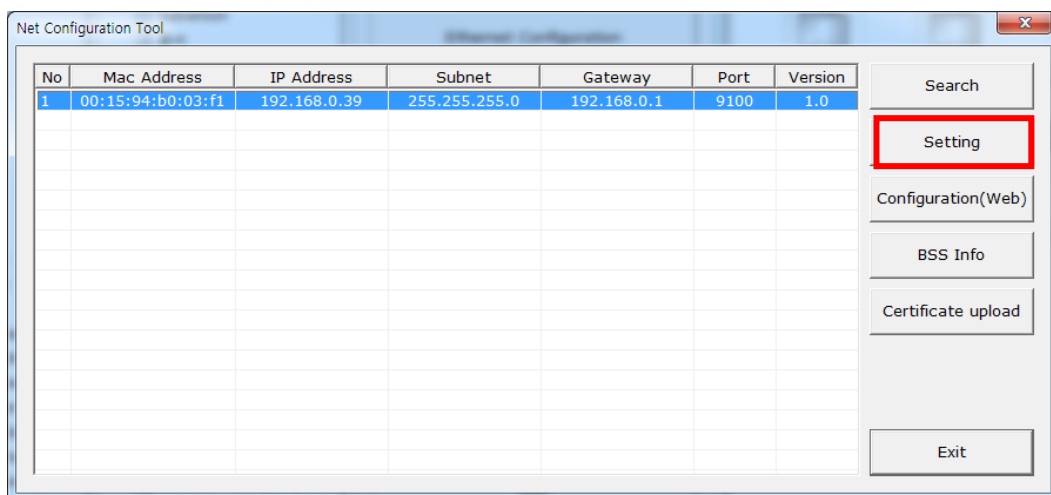
- 1) When you press the [Search] button, the printer connected to the network will be shown in the list.



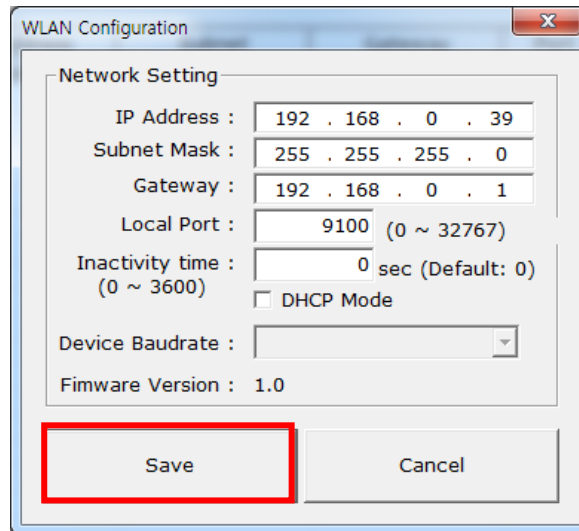
- 2) Select the IP address from the list to search the printer and click the [OK] button.
The list of printers connected to the selected IP will be displayed.



- 3) Select the printer from the list and press the [Setting] button, and then the following window for changing the WLAN settings will pop up.



- 4) Enter the proper IP Address, Subnet Mask, and Gateway of the currently used network, and then click the [Save] button to save the settings.

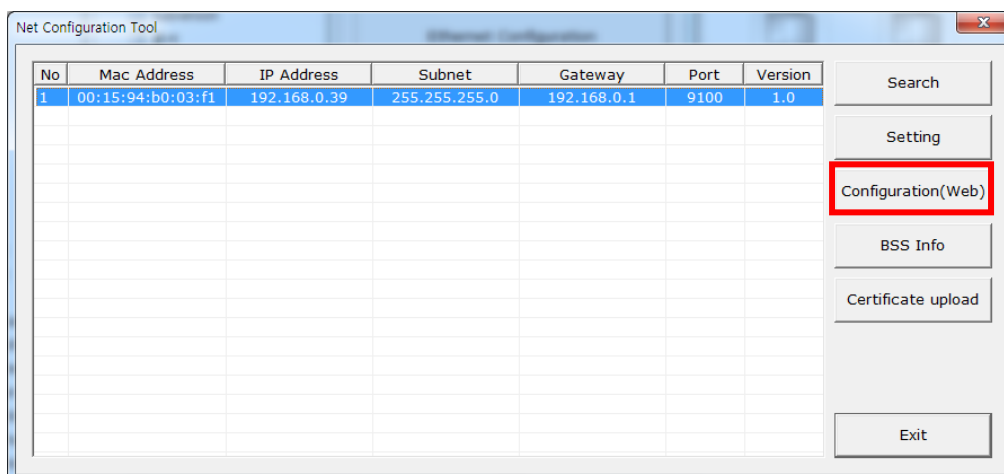


The image shows a 'WLAN Configuration' dialog box with a 'Network Setting' section. The fields are as follows:

IP Address :	192 . 168 . 0 . 39
Subnet Mask :	255 . 255 . 255 . 0
Gateway :	192 . 168 . 0 . 1
Local Port :	9100 (0 ~ 32767)
Inactivity time :	0 sec (Default: 0) (0 ~ 3600)
<input type="checkbox"/> DHCP Mode	
Device Baudrate :	[Dropdown menu]
Firmware Version :	1.0

At the bottom, there are two buttons: 'Save' (highlighted with a red rectangle) and 'Cancel'.

- * By setting "Inactivity Time", you can disconnect the printer to host device when the data is not transferred while inactivity time.
 - * Device Baudrate setting, which is used for other models, is not necessary for our printer.
- 5) Select the printer from the list and press the [Configuration(web)] button, and then the Login window will pop up.

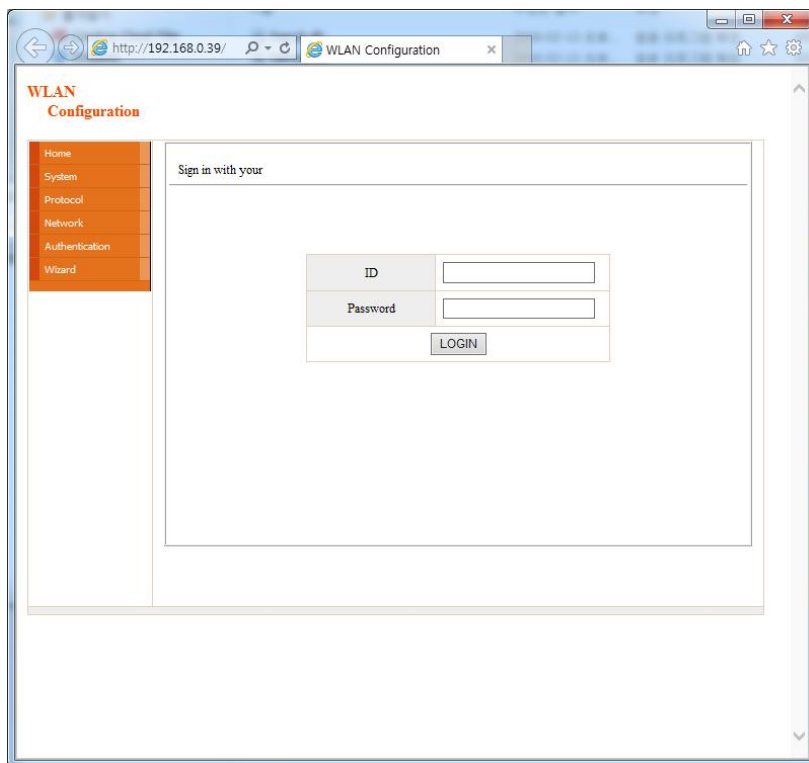


The image shows a 'Net Configuration Tool' window. It contains a table with the following data:

No	Mac Address	IP Address	Subnet	Gateway	Port	Version
1	00:15:94:b0:03:f1	192.168.0.39	255.255.255.0	192.168.0.1	9100	1.0

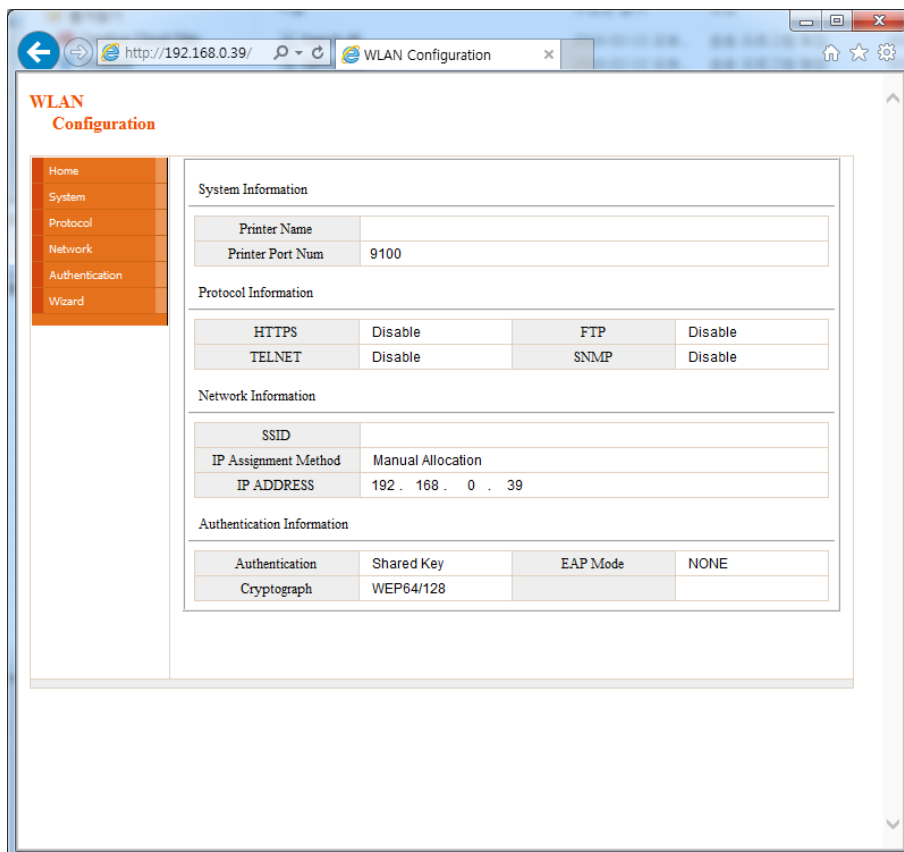
On the right side of the window, there are several buttons: 'Search', 'Setting', 'Configuration(Web)' (highlighted with a red rectangle), 'BSS Info', 'Certificate upload', and 'Exit'.

- 6) Enter the ID and Password set in the printer, and click [OK].
 (Default settings are ID: "admin", Password: "password")



The screenshot shows a web browser window with the address bar displaying "http://192.168.0.39/" and the title "WLAN Configuration". The page has a sidebar menu with options: Home, System, Protocol, Network, Authentication, and Wizard. The main content area is titled "WLAN Configuration" and contains a "Sign in with your" section. This section includes two input fields: "ID" and "Password", followed by a "LOGIN" button.

- 7) When you log in, you will see the web browser for changing the WLAN settings as shown below.



The screenshot shows the same web browser window after logging in. The main content area displays various configuration sections:

- System Information**

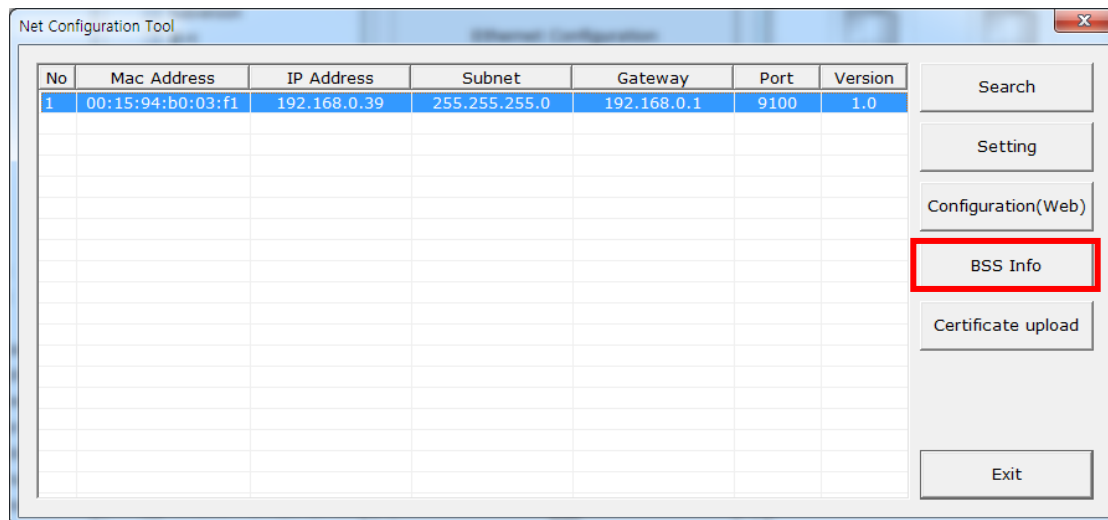
Printer Name	
Printer Port Num	9100
- Protocol Information**

HTTPS	Disable	FTP	Disable
TELNET	Disable	SNMP	Disable
- Network Information**

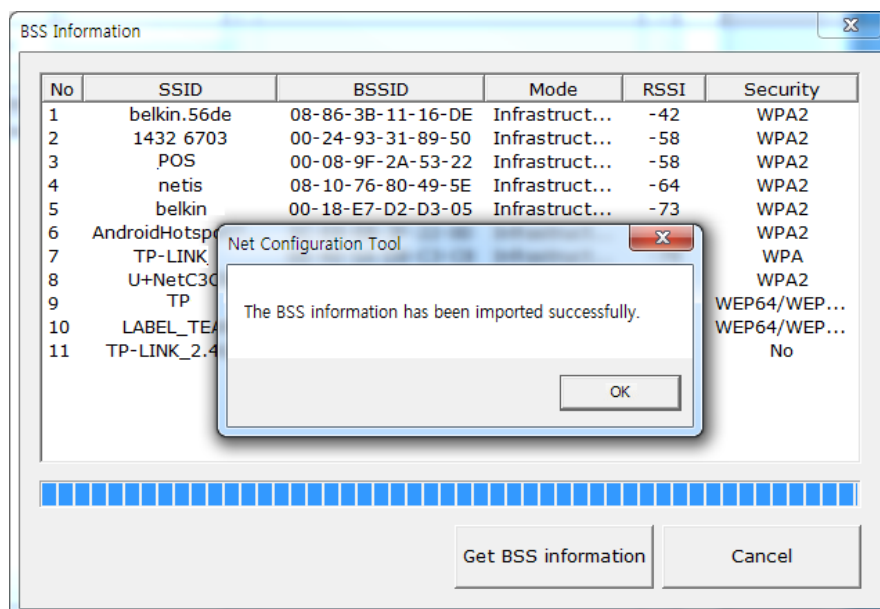
SSID	
IP Assignment Method	Manual Allocation
IP ADDRESS	192 . 168 . 0 . 39
- Authentication Information**

Authentication	Shared Key	EAP Mode	NONE
Cryptograph	WEP64/128		

8) You can search for the information of the wireless network by pressing the BSS Info button.



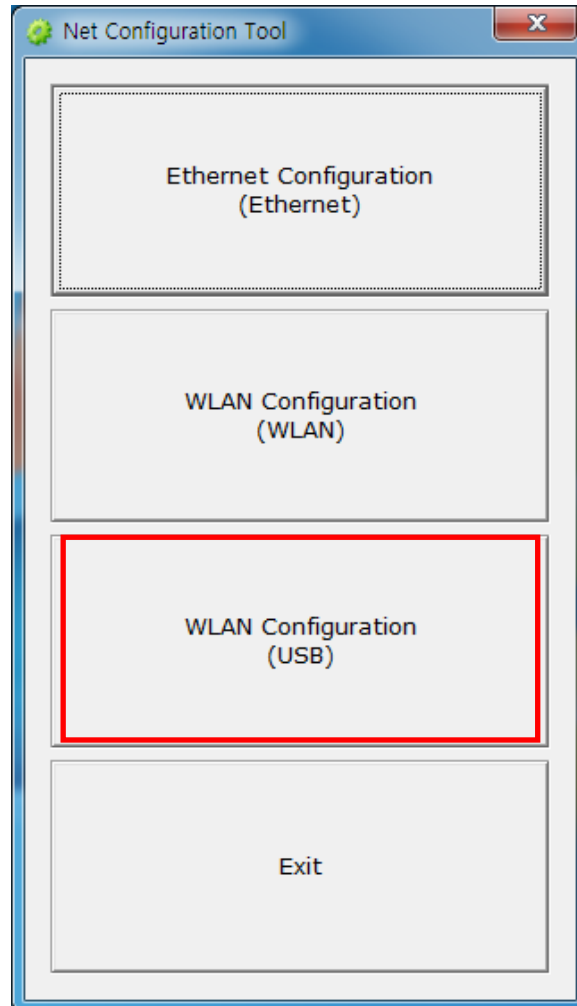
g) When you press the BSS Info button, information about the SSID, BSSID, Network Mode, and Encryption information of the network in close range will be shown as follows.



4-1-3 WLAN Configuration via USB

Connect to printer via USB cable, then click "WLAN Configuration (USB)".

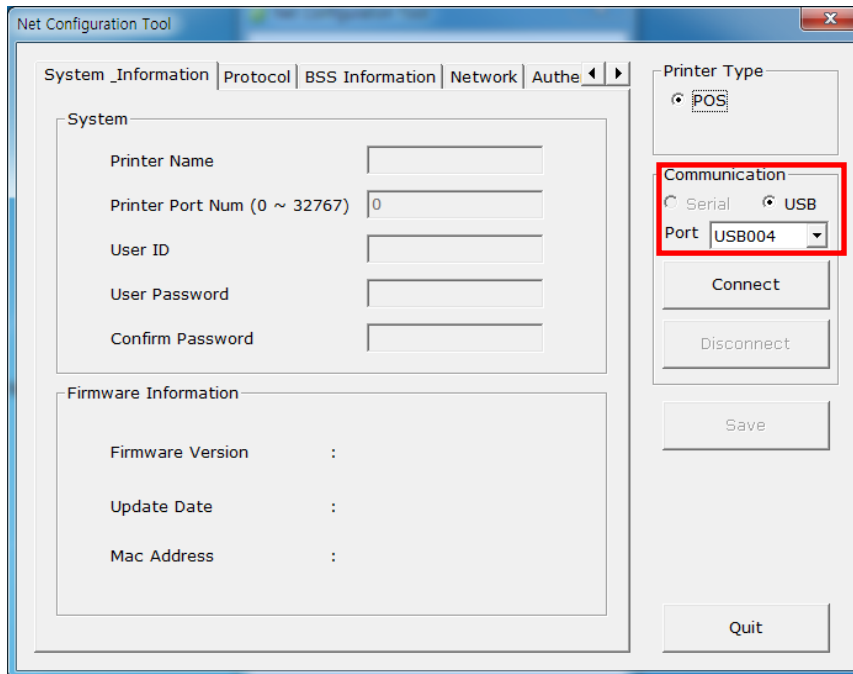
※ This function is supported only WLAN printer.



(1) Connect

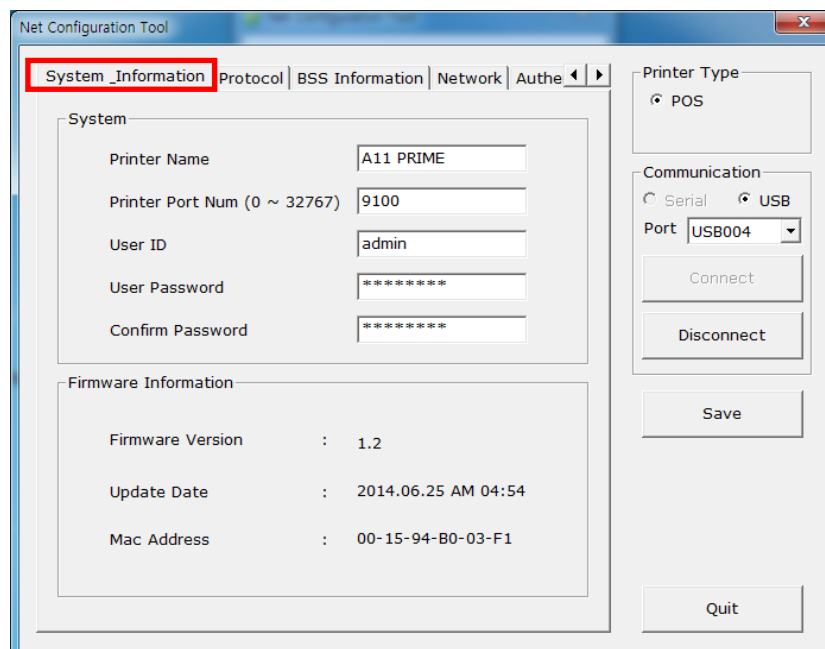
Choose the "Port", then click "Connect".

If it is properly connected, "The printer has been connected successfully." will be shown.
Then the configuration of the printer will be listed.



(2) System & Information

Printer Name, Printer Port, User ID and User password can be set.



(3) Protocol

You can set HTTPS, TELNET, FTP and SNMP protocol as able or disable.
SNMP can be also set.

Net Configuration Tool

System_Information **Protocol** BSS Information Network Authen

Task State

HTTPS TELNET

FTP SNMP

SNMP

Community Name (Read):

Community Name (Write):

Trap IP Address

Trap Community

Printer Type

☒ POS

Communication

☐ Serial ☒ USB

Port

(4) BSS Information

When you click "Get BSS information", close AP information will be listed.

Net Configuration Tool

System_Information Protocol **BSS Information** Network Authen

No	SSID	BSSID	MODE	RSSI	Sec
1	U+Net9F6B	64-E5-99-FC-...	Infrastr...	-47	WEP64
2	opos	64-E5-99-2F-...	Infrastr...	-54	WEP
3	LABEL_TEAM	00-26-66-35-...	Infrastr...	-63	WEP
4	netis	08-10-76-80-...	Infrastr...	-65	WEP
5	iptime_JS	90-9F-33-6A-...	Infrastr...	-72	WEP
6	A9F1BDF1DAB...	00-08-9F-2A-...	Infrastr...	-76	WEP
7	Connectify-me	AE-7B-A1-84-...	Infrastr...	-77	WEP
8	iptime_chiyoun	00-08-9F-16-...	Infrastr...	-87	WEP
9	belkin.56de	08-86-3B-11-...	Infrastr...	-45	WEP
10	LABEL_TEAM	00-26-66-35-...	Infrastr...	-63	WEP

Printer Type

☒ POS

Communication

☐ Serial ☒ USB

Port

(5) Network

You can set Infrastructure/Adhoc, SSID, IP, Subnet Mask and Gateway.

1) Inactivity Time

By setting "Inactivity Time", you can disconnect the printer to host device when the data is not transferred while inactivity time. If multiple host devices are used with one printer, "Inactivity Time" is recommended. (Other host devices are restricted to use a printer if one host device keep connecting to a printer.)

2) Wi-Fi Direct

Use Channel when configuring Wi-Fi Direct channels.

Conn Mode is classified into PIN or PBC type.

- PIN Type: Enter the same PIN CODE you set for "P2P PIN" on your smartphone using the utility to connect.

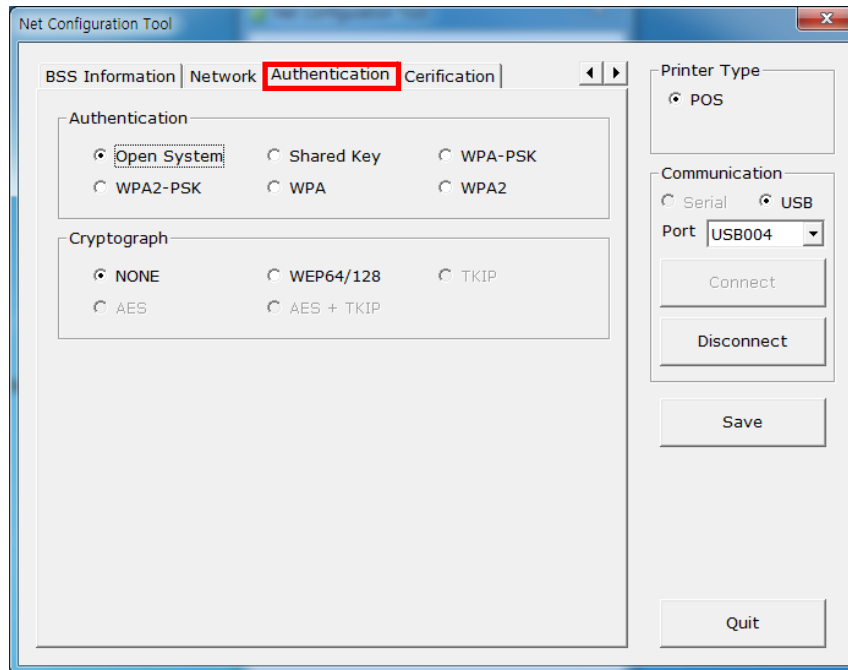
(PIN CODE must be entered in four- or eight-digit format.)

- PBC Type: Accept the request for approval on your smart phone to connect.

The screenshot shows the 'Net Configuration Tool' window with the 'Network' tab selected. The 'Network Mode' section has 'Infra Network' selected. The 'Ad Hoc Channel' is set to 6. The 'Channel' is set to 1, 'Conn Mode' is set to 'PIN&PBC', and 'PIN Code' is 12345678. The 'IP Assignment Method' section has 'Automatic Allocation(DHCP)' selected. The 'Network Setting' section shows SSID, Inactivity Time (0~3600) set to 0, IP Address (192.168.0.39), Subnet Mask (255.255.255.0), and Gateway (192.168.0.1). On the right, the 'Printer Type' is 'POS', 'Communication' is 'USB', and 'Port' is 'USB004'. There are buttons for 'Connect', 'Disconnect', 'Save', and 'Quit'.

(6) Authentication

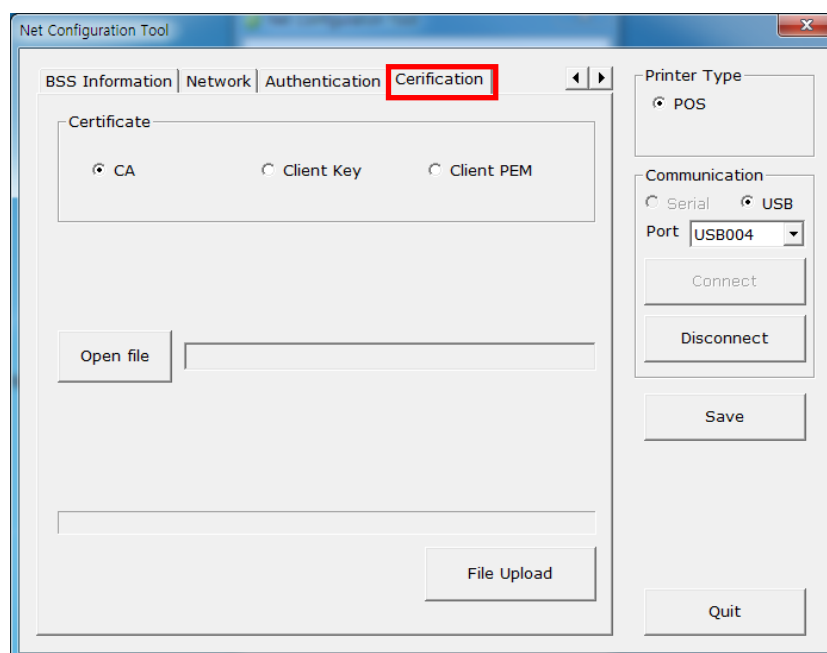
You can set Authentication and Cryptograph. If it is Infrastructure mode, you need to set Cryptograph with AP for proper connection. Then if it is Adhoc mode, you need to set Cryptograph with host device.



(7) Certificate

Printer can save the certificate file for EAP-TLS certification.

When you use TLS certification, CA certificate (PEM), Client Key(KEY/PEM), and client certificate(PEM) file should be uploaded. The key size of certificate recommended is 512. If the size of certificate is more than 512, it will take some time for EAP certification.



4-2 Web Server

(1) Ethernet

- 1) Execute Internet Explorer.
- 2) Enter IP address of the printer at **Address** of Internet Explorer and click **go**.

The screenshot shows an Internet Explorer browser window with the address bar displaying 'http://192.168.100.130/'. Below the browser window, a 'Configuration' window is open, displaying the following settings:

Configuration	
F/W ver.	2.1
MAC	00:15:94:50:2F:C1
Source IP	192.168.100.130
Subnet Mask	255.255.255.0
Gateway IP	192.168.100.254
Local Port	9100
Inactivity Time	0
DHCP mode	<input type="checkbox"/>

An 'Apply' button is located at the bottom center of the Configuration window.

[Note]

- If you are not aware of IP address, check IP address by pushing Function key.
- Ask Network administrator IP Address and its related information.

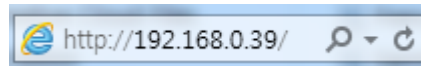
- 3) When **Configuration** Window appears, enter new **Network Setting**.

This screenshot is identical to the one above, showing the 'Configuration' window with the same settings. The 'Apply' button at the bottom center is highlighted with a red rectangular box.

* By setting "Inactivity Time", you can disconnect the printer to host device when the data is not transferred while inactivity time.

(2) WLAN

- 1) Execute Internet Explorer.
- 2) Enter IP address of the printer at **Address** of Internet Explorer and click **go**.



Enter the IP address of the printer in the address bar, and the following login window will pop up. Enter the ID and Password set for the printer, and then click [OK]
(Default setting values are ID: "admin", Password: "password".)

 A screenshot of the WLAN Configuration web interface. On the left is a navigation menu with links: Home, System, Protocol, Network, Authentication, and Wizard. The main content area is titled "Sign in with your" and contains a login form with fields for "ID" and "Password", and a "LOGIN" button.

When the ID and Password match the ones registered in the printer, the following window will be opened.

 A screenshot of the WLAN Configuration web interface after successful login. The left navigation menu is the same. The main content area displays various configuration sections:

- System Information**: Fields for "Printer Name" and "Printer Port Num" (value: 9100).
- Protocol Information**: A table showing status for various protocols.

HTTPS	Disable	FTP	Disable
TELNET	Disable	SNMP	Disable
- Network Information**: Fields for "SSID", "IP Assignment Method" (value: Manual Allocation), and "IP ADDRESS" (value: 192 . 168 . 0 . 39).
- Authentication Information**: A table showing authentication settings.

Authentication	Shared Key	EAP Mode	NONE
Cryptograph	WEP64/128		

WLAN can be configured from this window.