



Software Manual
Net Configuration Tool

Rev. 3.01

■ Table of Contents

- 1. Manual Information.....3**
- 2. Operating System (OS) Environment.....3**
- 3. Software Installation & Uninstallation4**
 - 3-1 Installation.....4
 - 3-2 Uninstallation6
- 4. Configuration Tool8**
 - 4-1 Configuration Tool.....8
 - 4-1-1 Ethernet Configuration.....8
 - 4-1-2 WLAN Configuration.....14
 - 4-1-3 WLAN Configuration via Serial / USB.....19
 - 4-2 Web Server.....24

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

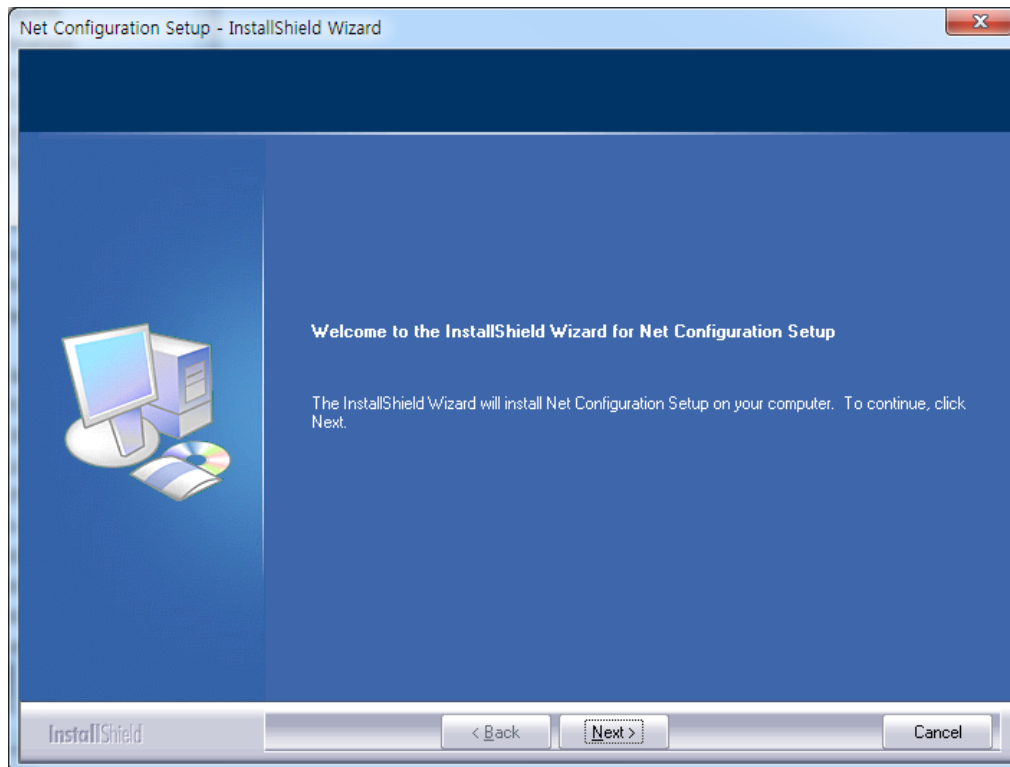
The following operating systems are supported for usage.

- 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

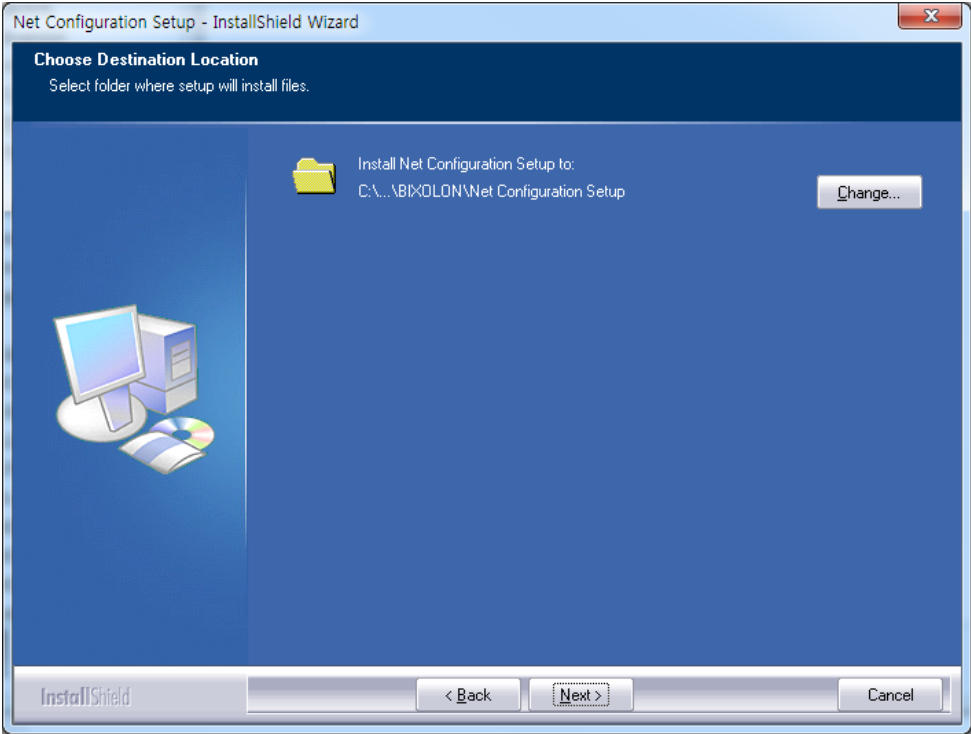
3-1 Installation

- 1) Execute the “Net Configuration Setup_V2.x.x.exe” file.
(This file must first be downloaded.)
- 2) Click the “Next” button.

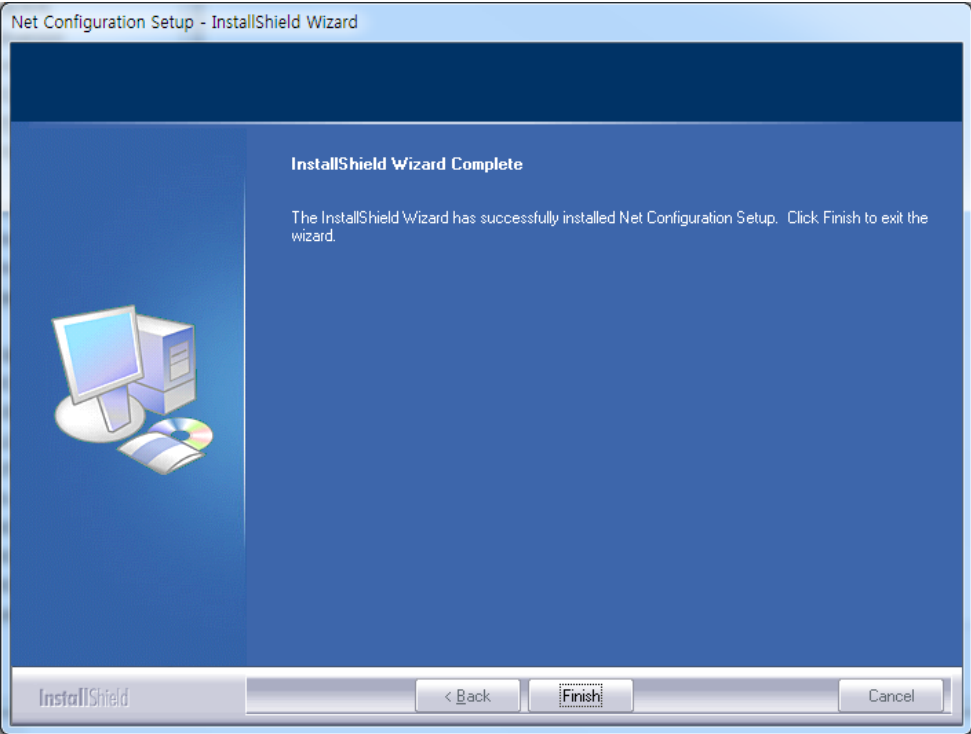


Net Configuration Tool

- 3) Click the "Next" button.
(Install to: C:\Program Files\ BIXOLON \ Net Configuration Setup\)



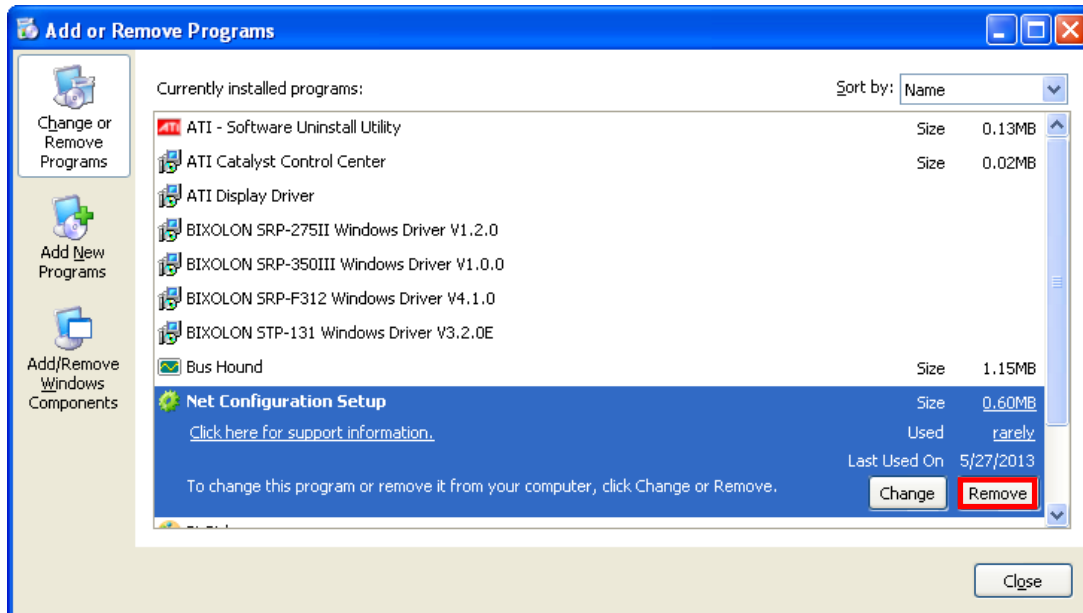
- 4) The following message appears upon the successful completion of installation.



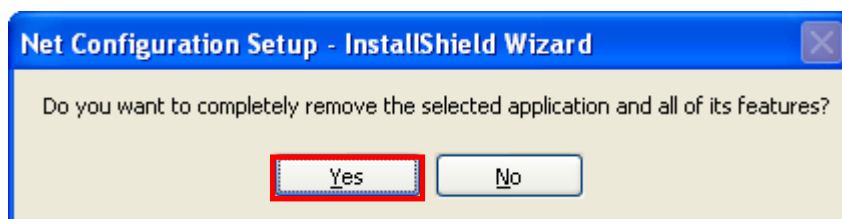
3-2 Uninstallation

(1) Windows XP

- 1) Click and activate the “Add/Remove Programs” icon in the Control Panel.
- 2) Select “Net Configuration Setup” and click the “Remove” button.

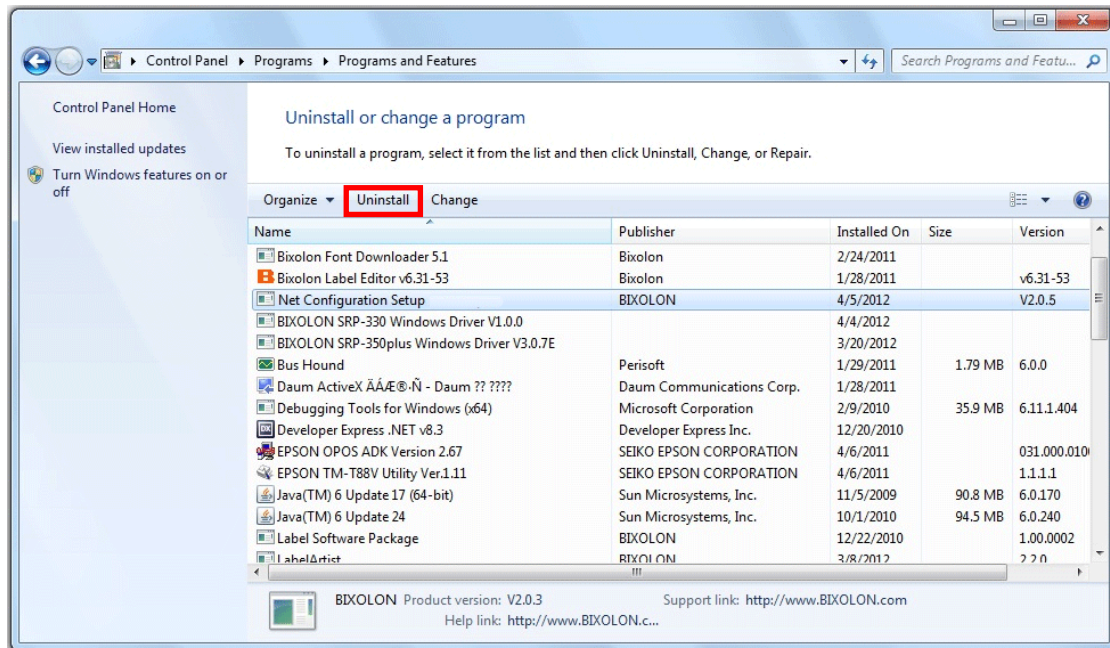


- 3) Click the “Yes” button to completely remove the application.

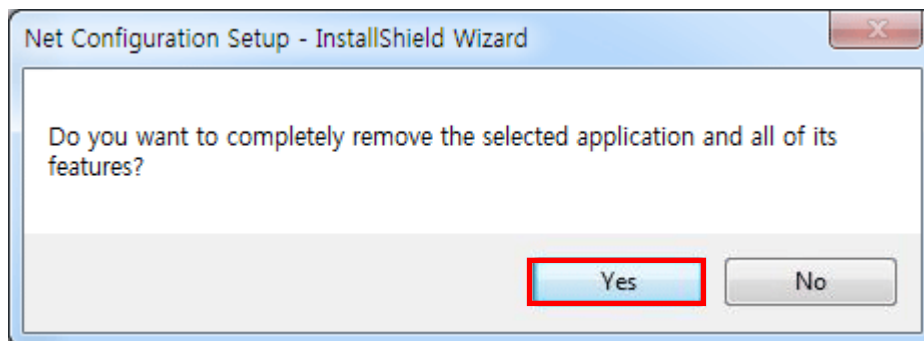


(2) Windows 7

- 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.



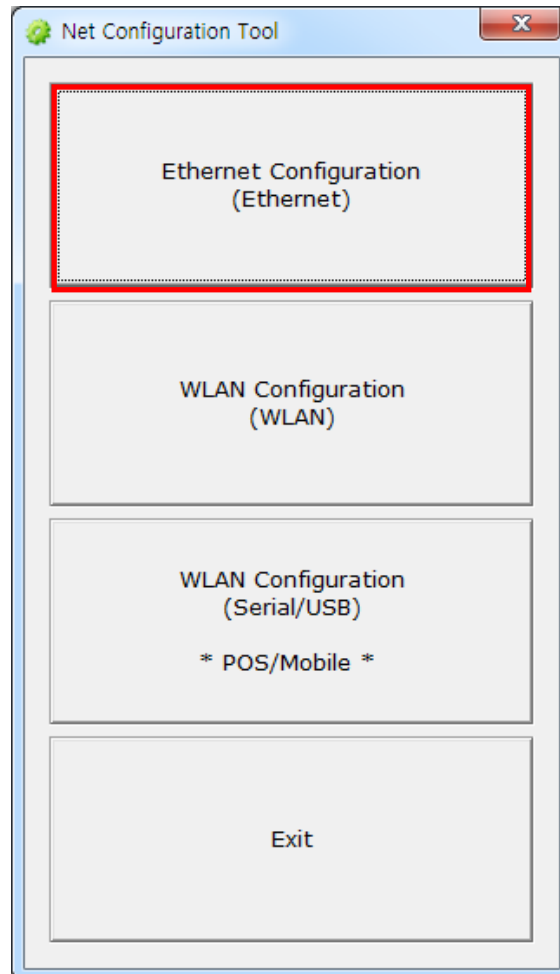
4. Configuration Tool

4-1 Configuration Tool

Install and execute Net Configuration Setup_V2.x.x.exe involved in CD.
(Start>> BIXOLON>> Net Configuration.exe)

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.

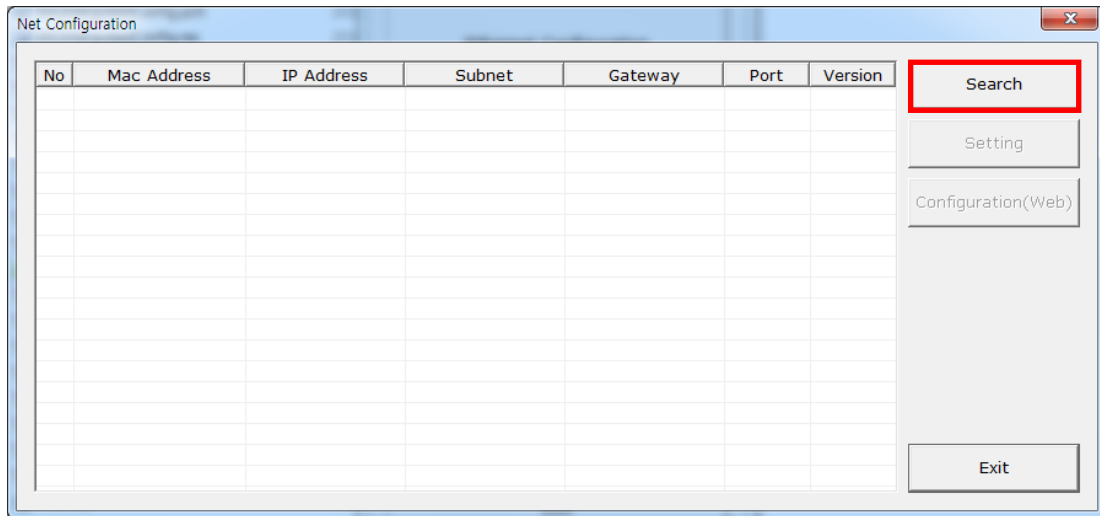
4-1-1 Ethernet Configuration



Net Configuration Tool

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

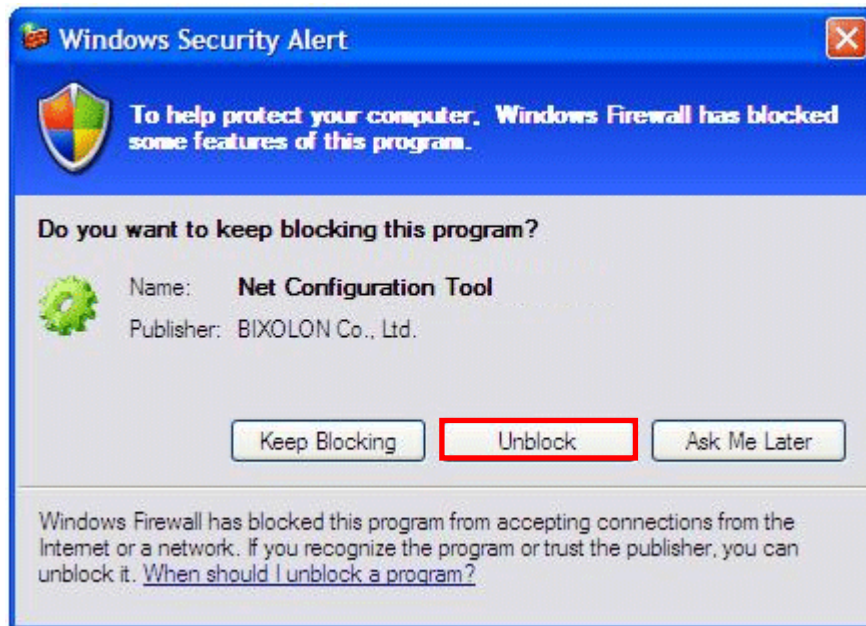
The following warning message may pop up if the firewall is installed.



Net Configuration Tool

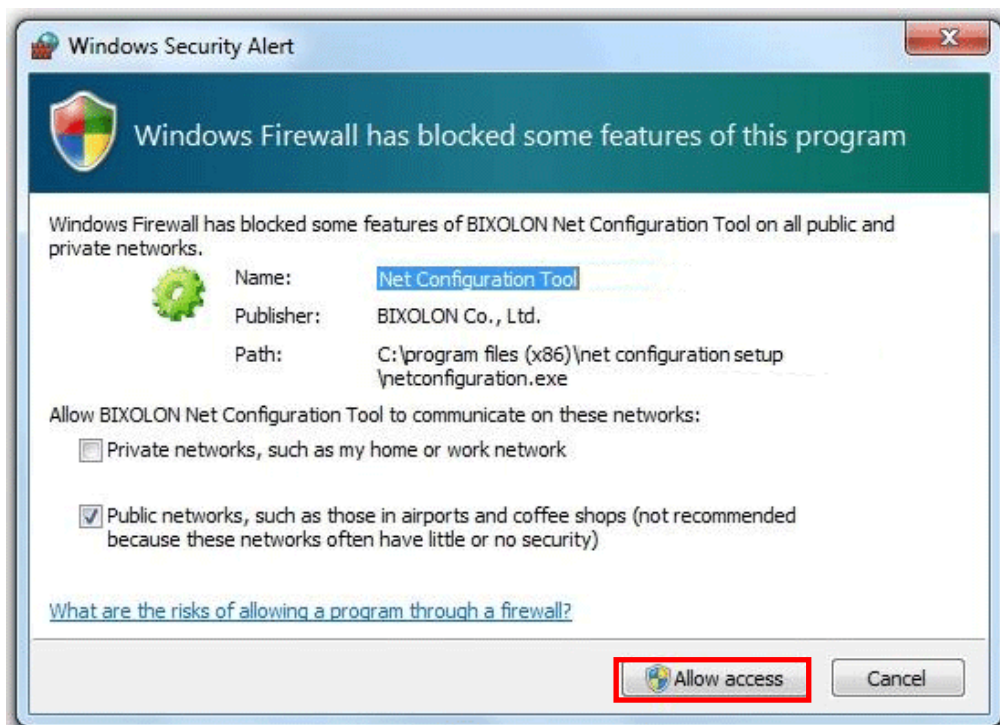
- **Windows XP**

Select [Unblock], and then retry the Search operation.



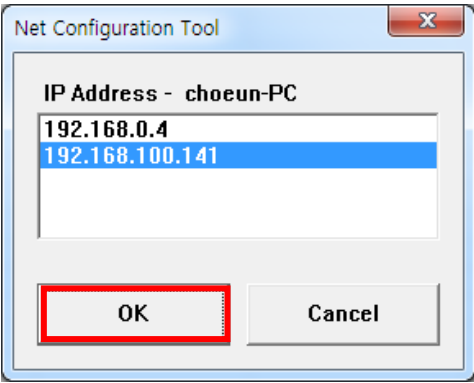
- **Windows 7**

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

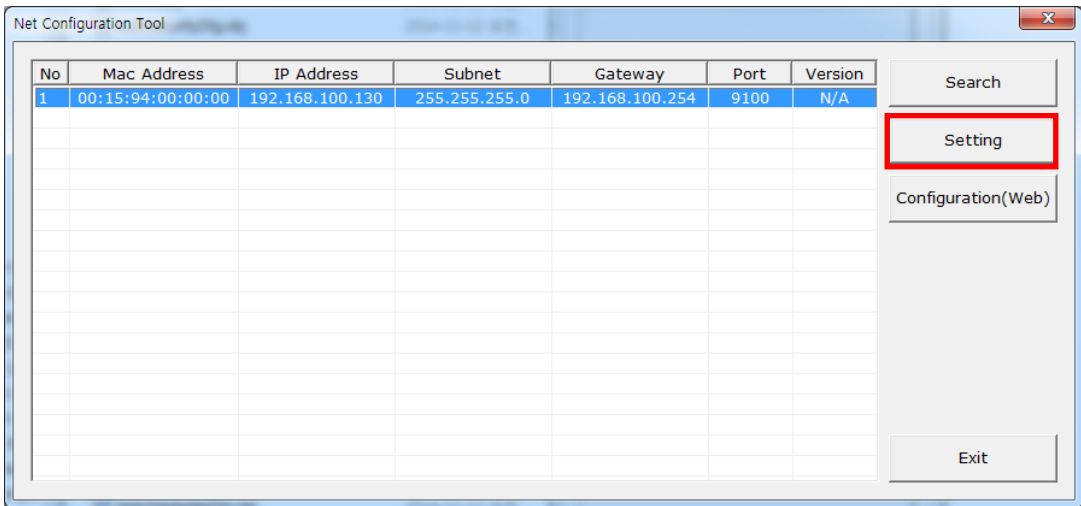


Net Configuration Tool

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.

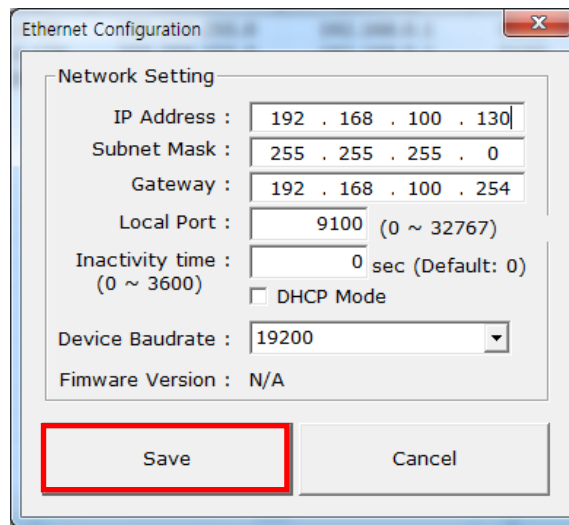


3) Select the printer from the list and press the [Setting] button, and then the following window for setting Ethernet settings will pop up.



Net Configuration Tool

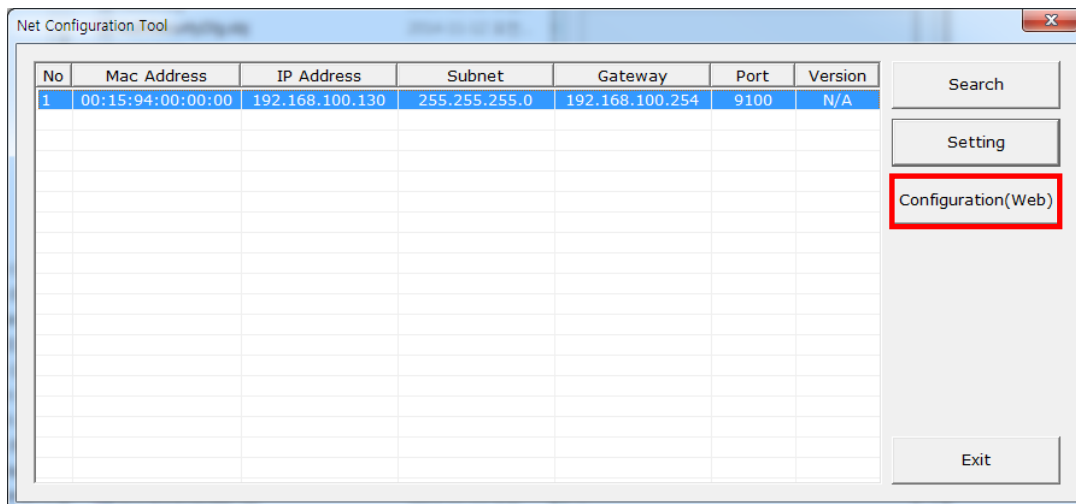
- 4) Enter the proper IP Address, Subnet Mask, and Gateway for the currently used network, and then press the [Save] button to save the settings.



The screenshot shows the 'Ethernet Configuration' dialog box. It contains the following fields and controls:

- IP Address : 192 . 168 . 100 . 130
- Subnet Mask : 255 . 255 . 255 . 0
- Gateway : 192 . 168 . 100 . 254
- Local Port : 9100 (0 ~ 32767)
- Inactivity time : 0 sec (Default: 0) (0 ~ 3600)
- DHCP Mode
- Device Baudrate : 19200
- Firmware Version : N/A
- Buttons: Save (highlighted with a red rectangle), 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 you will see the web browser for changing the Ethernet and WLAN settings as shown below.



The screenshot shows the 'Net Configuration Tool' main window. It features a table with the following data:

No	Mac Address	IP Address	Subnet	Gateway	Port	Version
1	00:15:94:00:00:00	192.168.100.130	255.255.255.0	192.168.100.254	9100	N/A

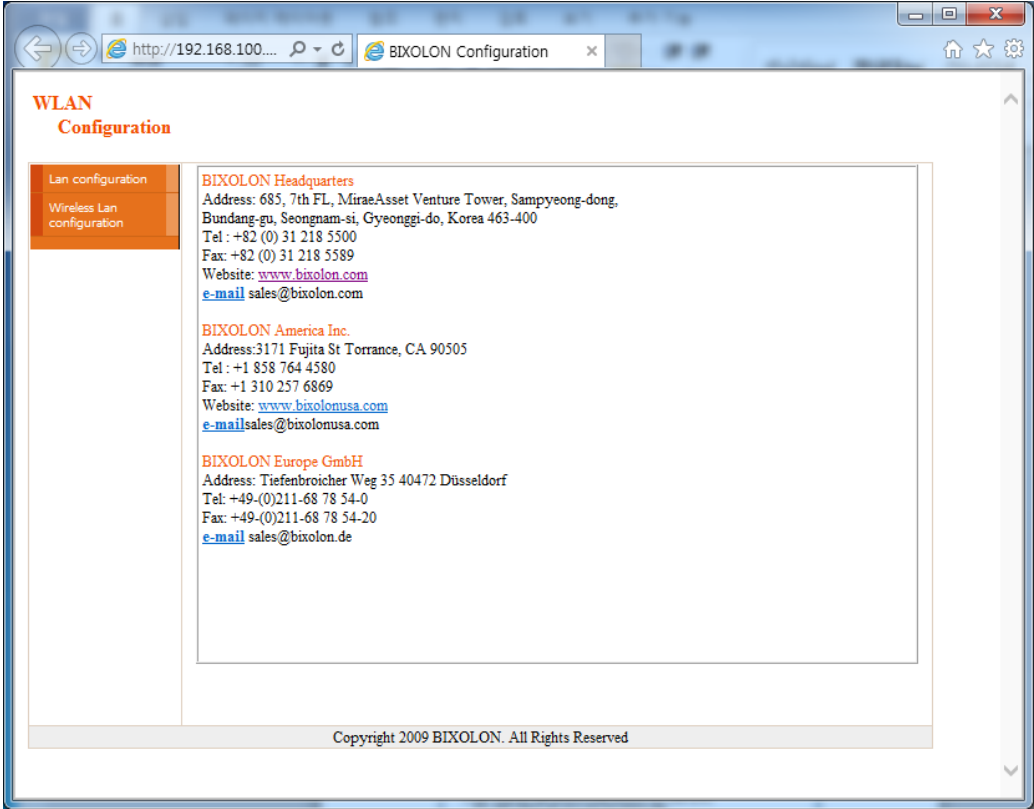
On the right side of the window, there are several buttons: Search, Setting, Configuration(Web) (highlighted with a red rectangle), and Exit.

(1) POS Printer

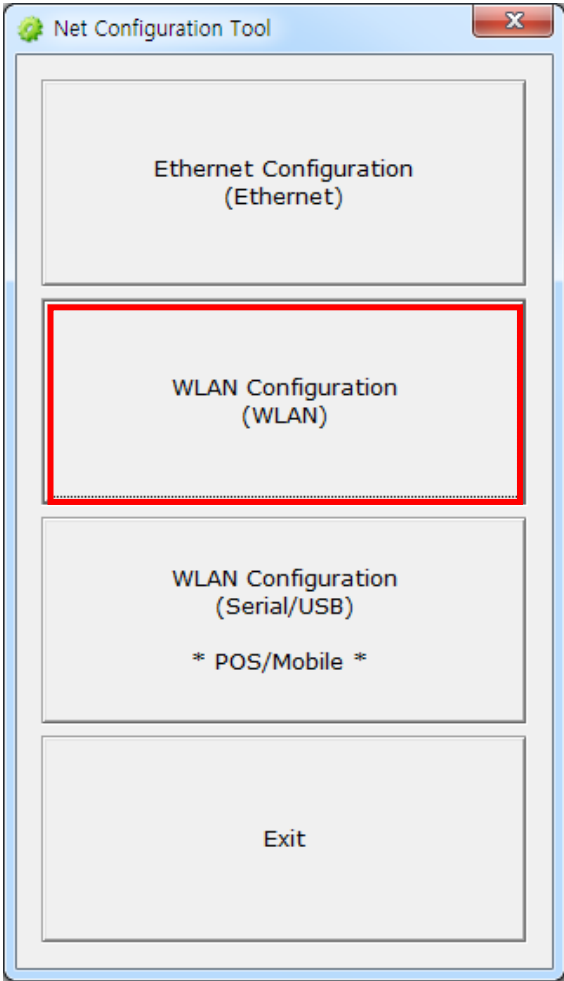
Configuration

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

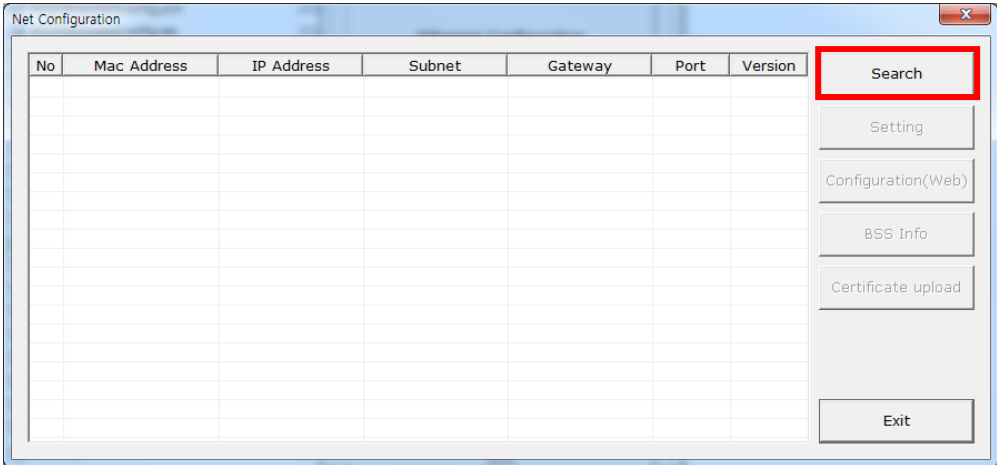
(2) POS Printer (SRP-F310/F312), Mobile Printer, Label Printer



4-1-2 WLAN Configuration

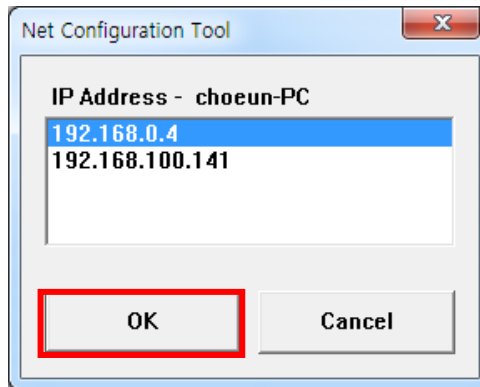


1) When you press the [Search] button, the printer connected to the network will be shown in the list.

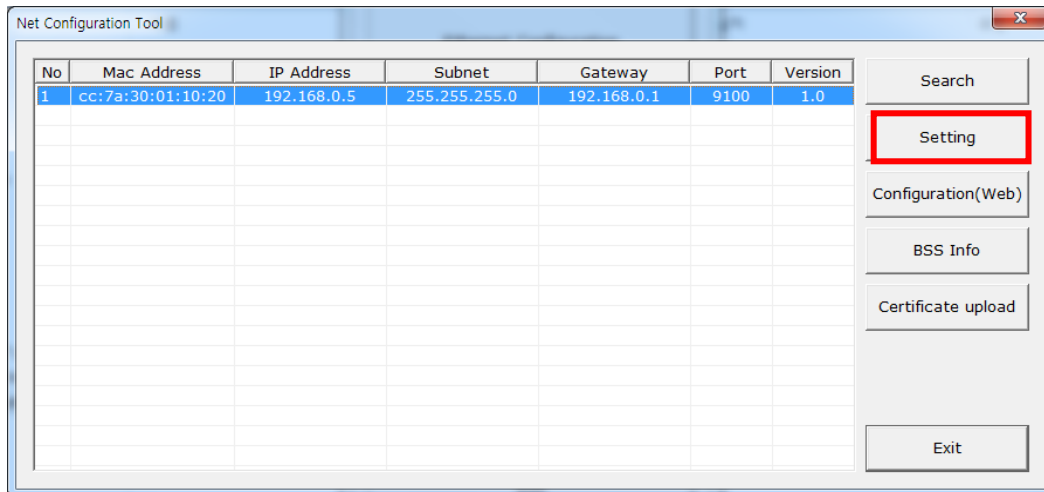


Net Configuration Tool

- 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.

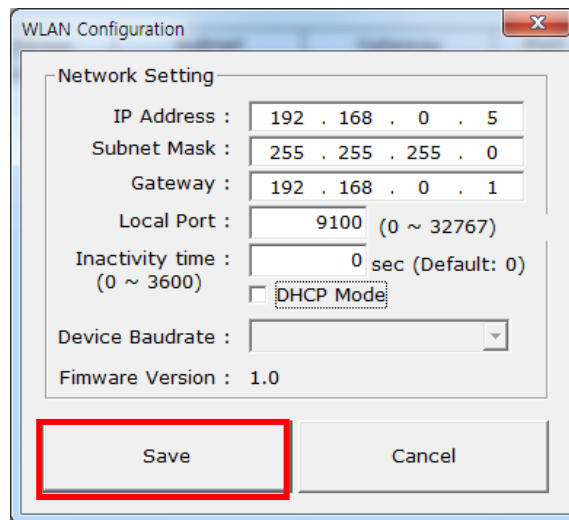


- 3) Select the printer from the list and press the [Setting] button, and then the following window for changing the WLAN settings will pop up.



Net Configuration Tool

- 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.



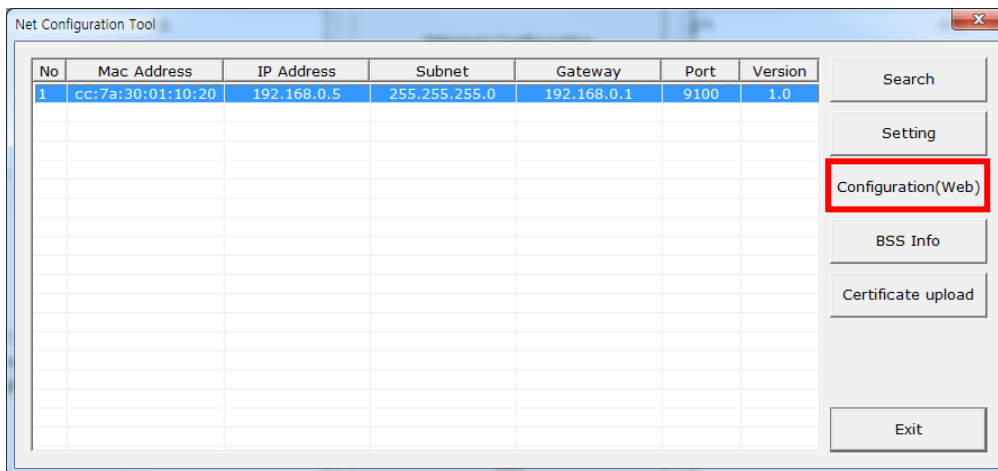
The image shows a 'WLAN Configuration' dialog box with the following fields and values:

- IP Address : 192 . 168 . 0 . 5
- Subnet Mask : 255 . 255 . 255 . 0
- Gateway : 192 . 168 . 0 . 1
- Local Port : 9100 (0 ~ 32767)
- Inactivity time : 0 sec (Default: 0) (0 ~ 3600)
- DHCP Mode
- Device Baudrate : [Dropdown menu]
- Firmware Version : 1.0

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



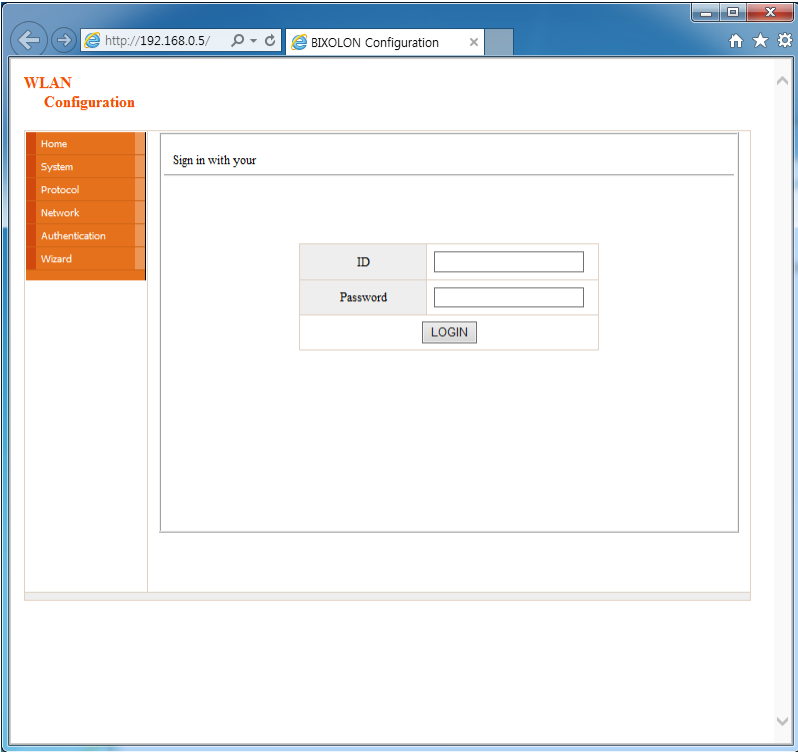
The image shows the main window of the 'Net Configuration Tool'. It features a table with the following data:

No	Mac Address	IP Address	Subnet	Gateway	Port	Version
1	cc:7a:30:01:10:20	192.168.0.5	255.255.255.0	192.168.0.1	9100	1.0

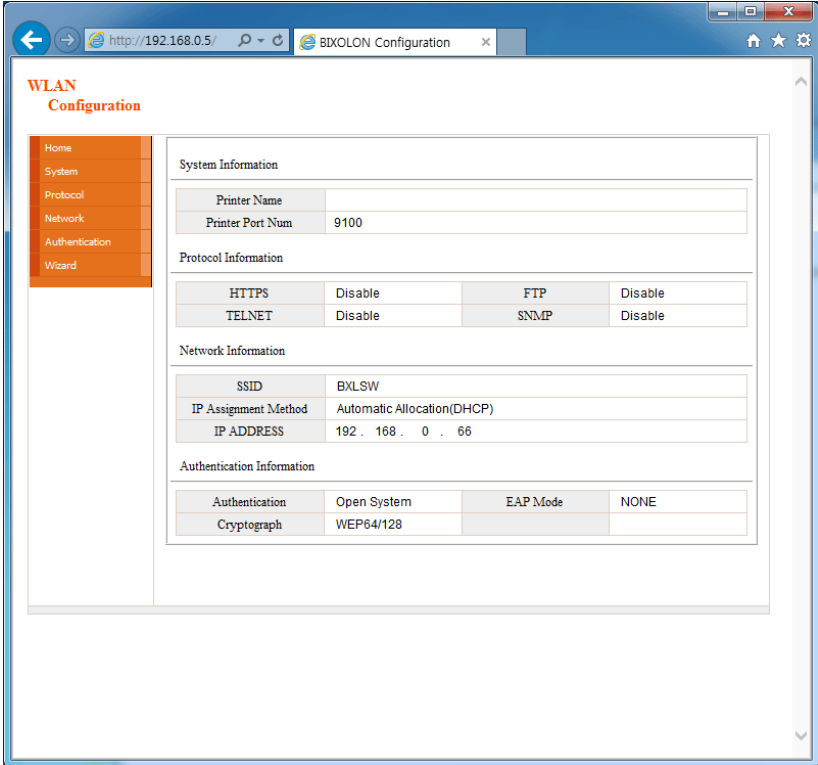
On the right side, there is a vertical menu with the following buttons: Search, Setting, Configuration(Web) (highlighted with a red box), BSS Info, Certificate upload, and Exit.

Net Configuration Tool

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

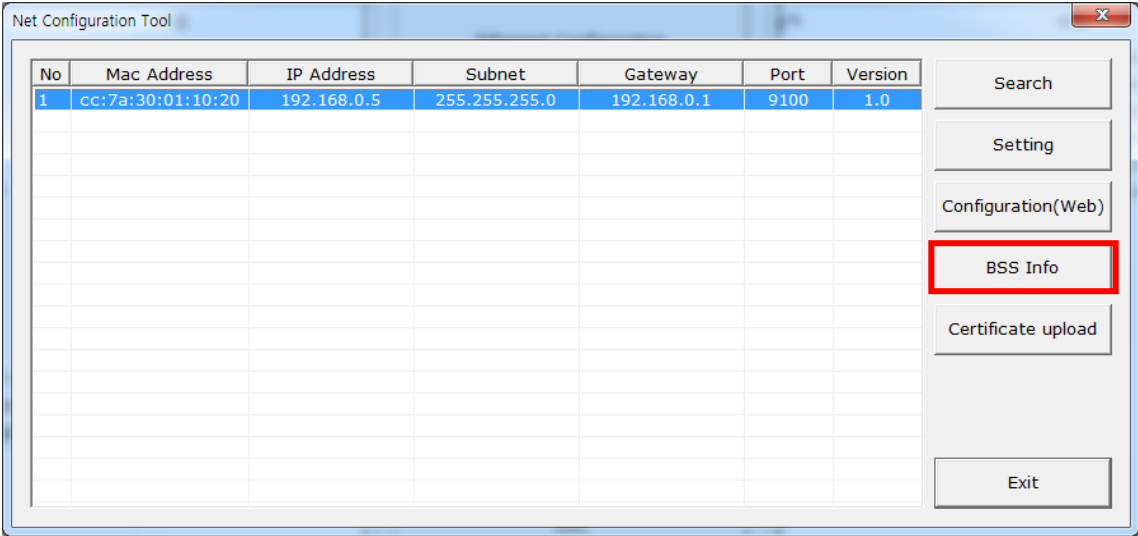


7) When you log in, you will see the web browser for changing the WLAN settings as shown below.

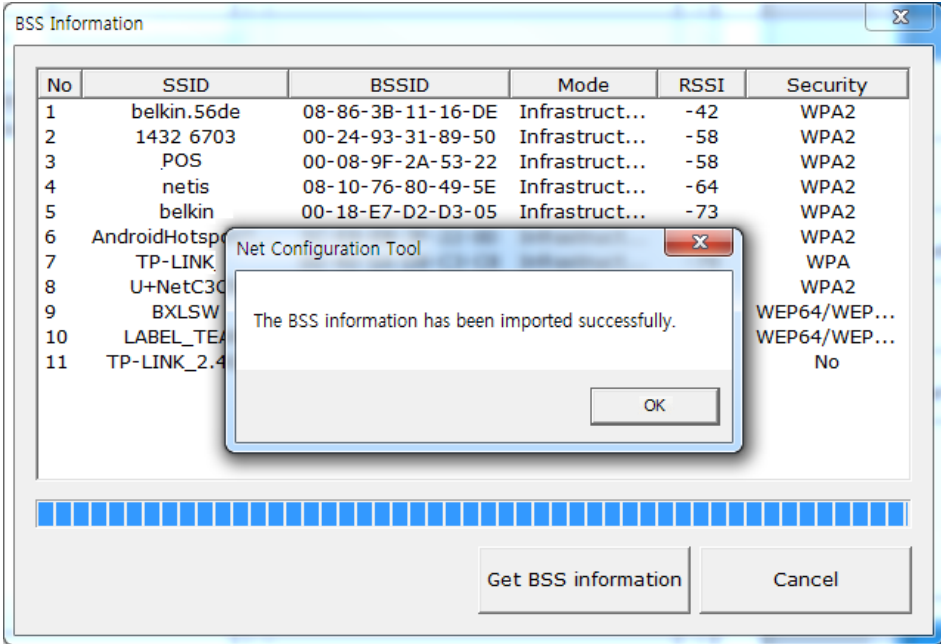


Net Configuration Tool

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



9) 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.



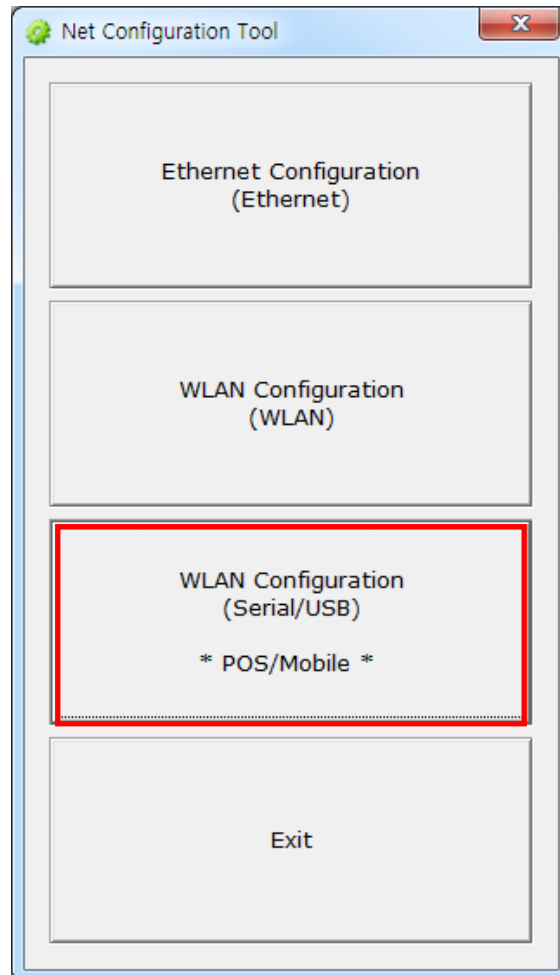
4-1-3 WLAN Configuration via Serial / USB

Connect to printer via Serial/USB cable, then click “WLAN Configuration (Serial/USB)”.

※ **This function is supported only WLAN Mobile and WLAN POS printers.**

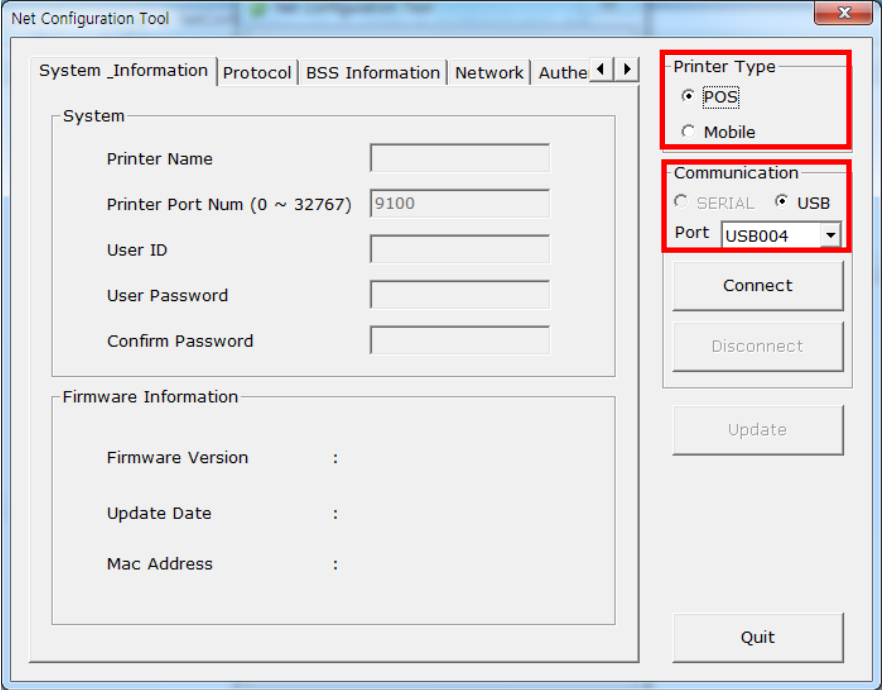
- WLAN POS printers that are supported

SRP-350plusIII, SRP-352plusIII, SRP-F310II, SRP-F312II, SRP-F313II,
SRP-380, SRP-382



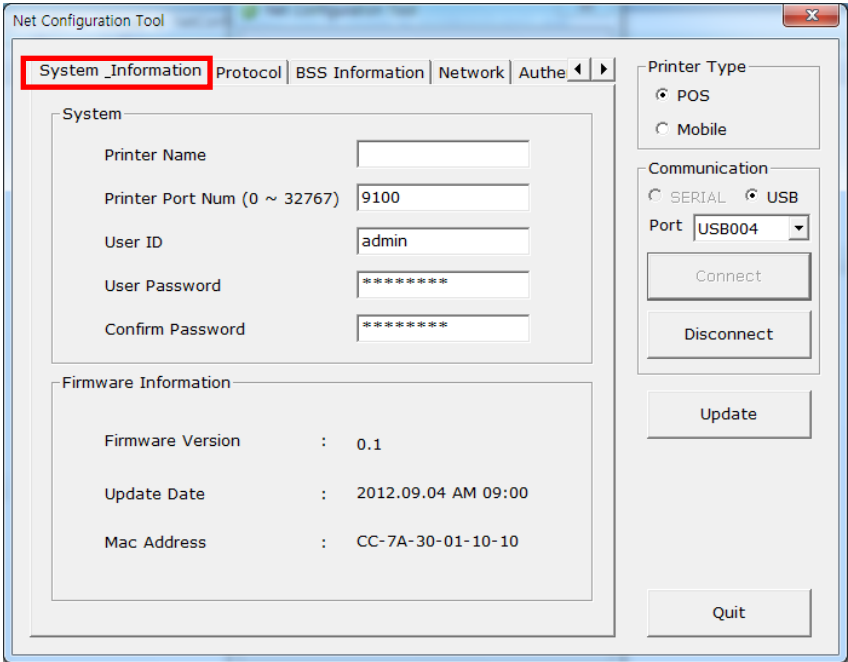
(1) Choose "POS" as the Printer Type.

Choose the "Port", then click "Connect".
(You can only use USB cable for POS Printer.)
If it is properly connected, "Succeeded to printer connection" will be shown.
Then the configuration of the printer will be listed.



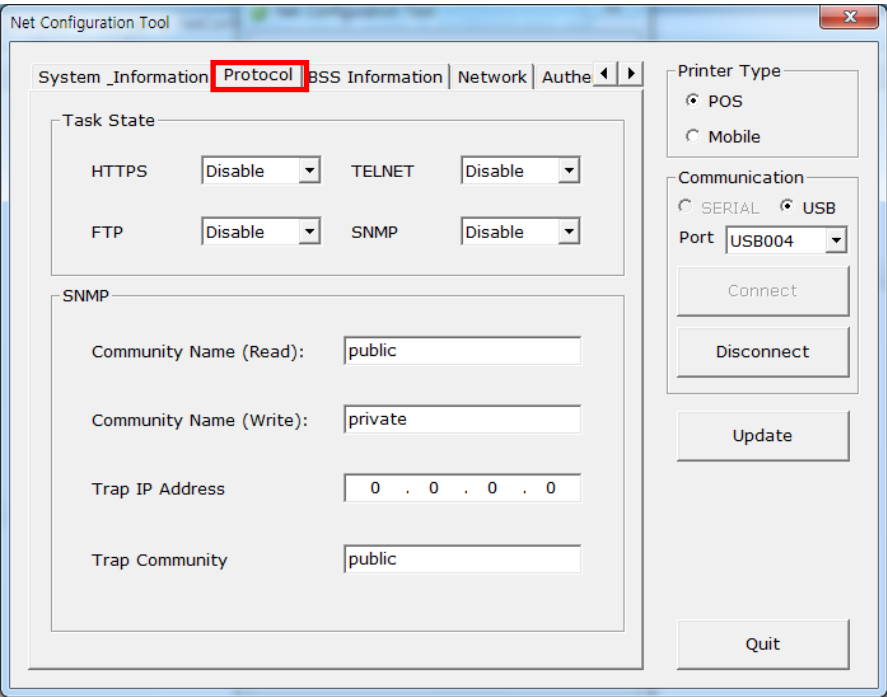
(2) System & Information

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



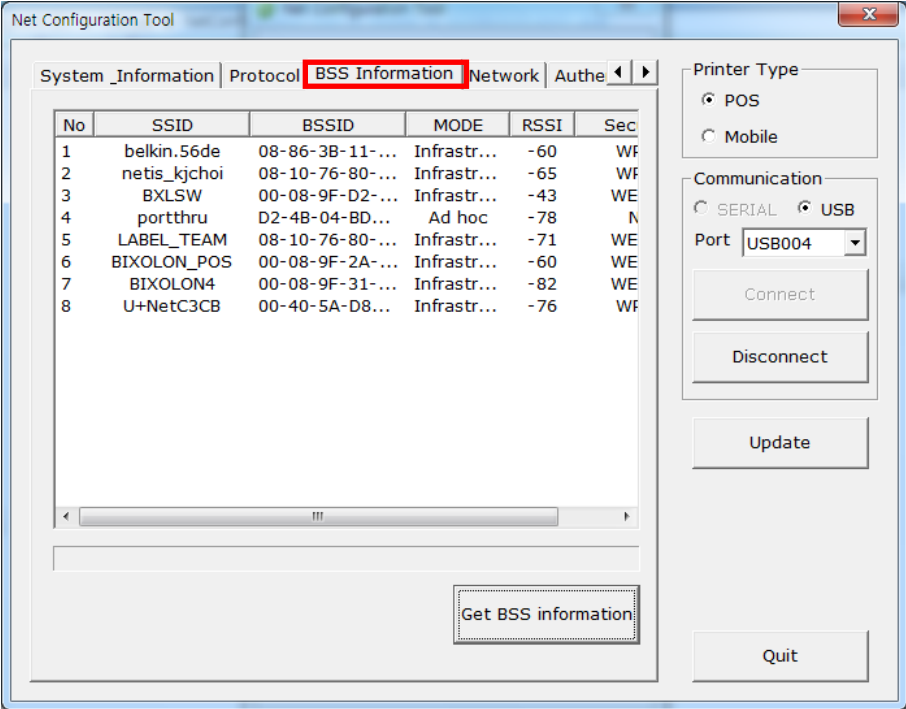
(3) Protocol

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



(4) BSS Information

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



(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 interface is divided into several sections:

- Network Mode:** Includes radio buttons for 'Infra Network' (selected), 'Adhoc', and 'Wi-Fi Direct'. An 'Ad Hoc Channel' field contains the value '6'.
- Channel, Conn Mode, and PIN Code:** A 'Channel' dropdown is set to '1'. The 'Conn Mode' dropdown is set to 'PIN&PBC'. The 'PIN Code' field contains '12345678'.
- IP Assignment Method:** Includes radio buttons for 'Automatic Allocation(DHCP)' (selected) and 'Manual Allocation'.
- Network Setting:** A table for configuring network parameters:

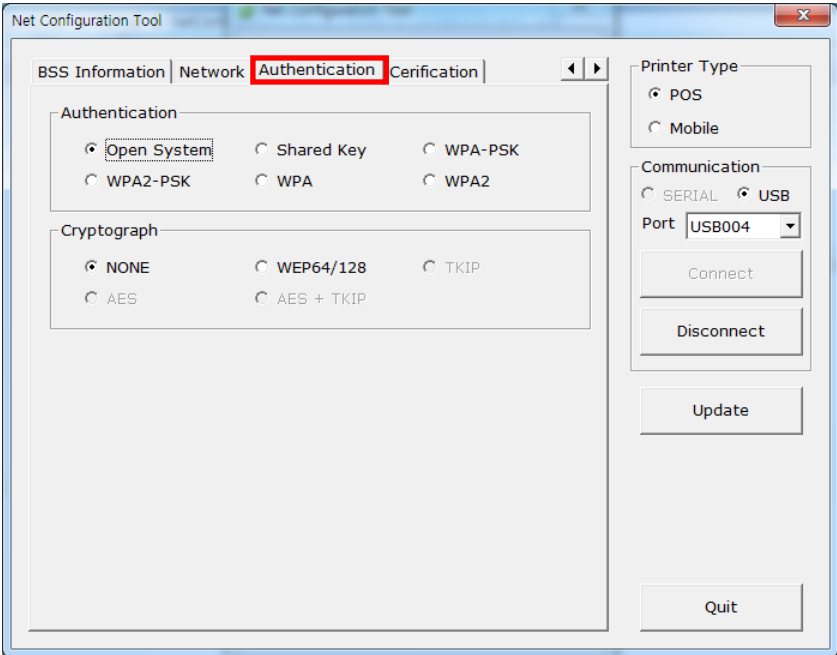
SSID	BXL5W						
Inactivity Time (0~3600)	0	Sec (Default: 0)					
IP Address	192	.	168	.	0	.	59
Subnet Mask	255	.	255	.	255	.	0
Gateway	192	.	168	.	0	.	1

On the right side of the window, there are additional settings and controls:

- Printer Type:** Radio buttons for 'POS' (selected) and 'Mobile'.
- Communication:** Radio buttons for 'SERIAL' and 'USB' (selected). A 'Port' dropdown is set to 'USB004'.
- Buttons for 'Connect', 'Disconnect', 'Save', and 'Quit'.

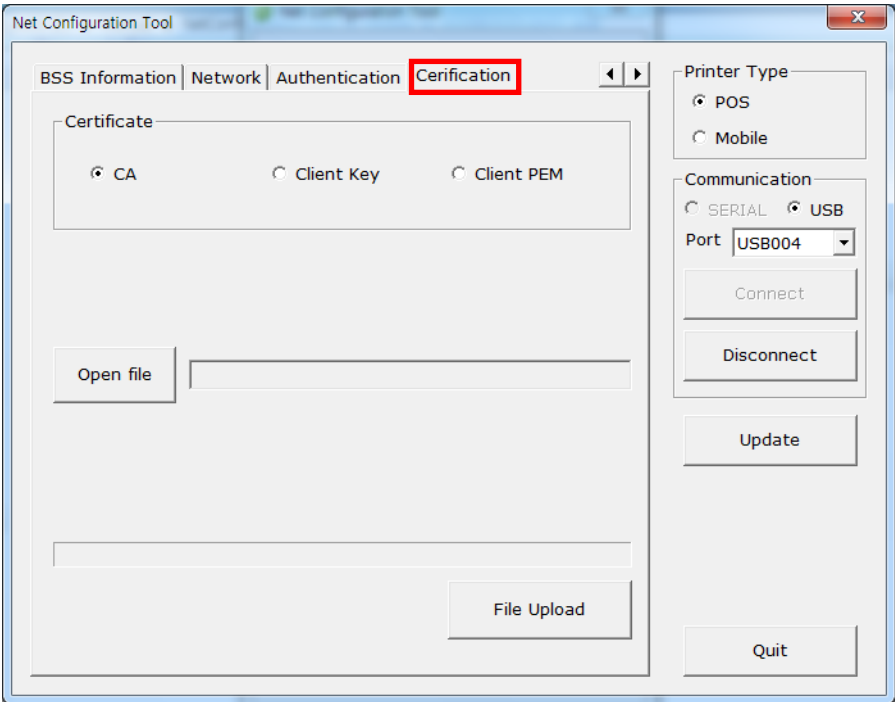
(6) Authentication

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

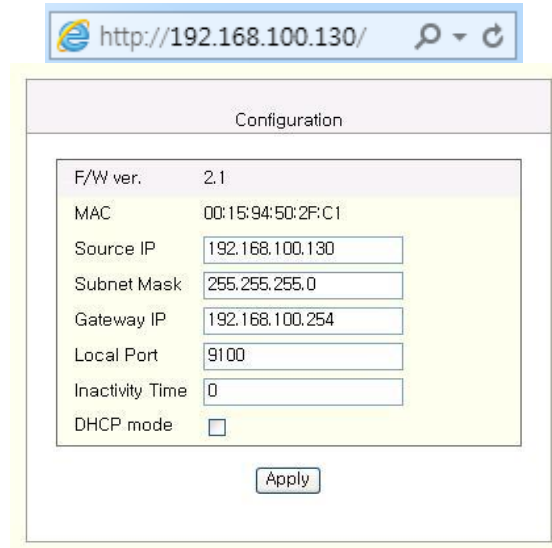
Printer can save the certificate file for EAP-TLS certification. When you use TLS certification, CA certificate (PEM), Client Key(KEY/PEM), and client certificate(PEM) file should be uploaded. The key size of certificate recommended is 512. If the size of certificate is more than 512, it will take some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



4-2 Web Server

(1) POS Printer

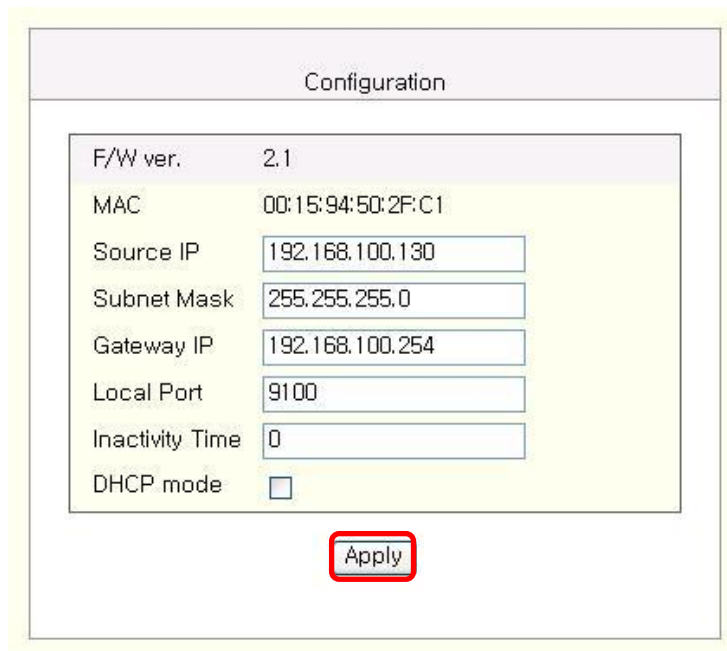
- 1) Execute Internet Explorer.
- 2) Enter IP address of the printer at **Address** of Internet Explorer and click **go**.



[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**.

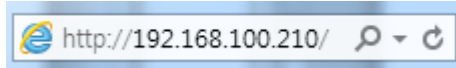


- * By setting "Inactivity Time", you can disconnect the printer to host device when the data is not transferred while inactivity time.
- * Device Baudrate setting, which is used for other models, is not necessary for our printer.

(2) POS Printer(SRP-F310/F312), Mobile Printer, Label Printer

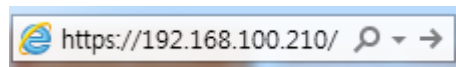
- 1) Execute Internet Explorer.
- 2) Enter IP address of the printer at **Address** of Internet Explorer and click **go**.

When SSL of the web-server is enabled,



- * A security warning window will pop when you try to connect with https.
Accept the certificate provided by the printer in the warning window and continue.

When SSL of the web-server is disabled,

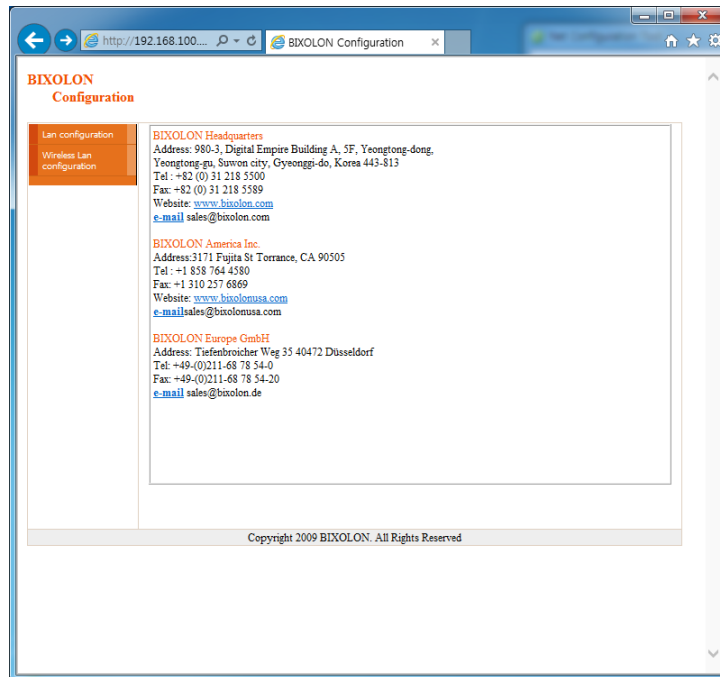


enter the IP address of the printer in the address bar, and the following login window will pop up. Enter the ID and Password set for the printer, and then click [OK]
(Default setting values are ID: "admin", Password: "password".)



Net Configuration Tool

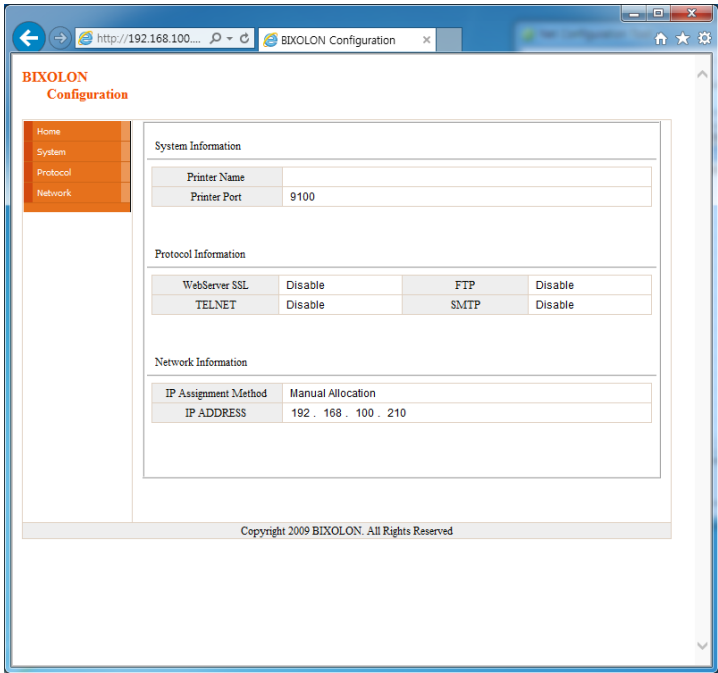
When the ID and Password match the ones registered in the printer, the following window will be opened.



Both LAN and WLAN can be configured from this window.

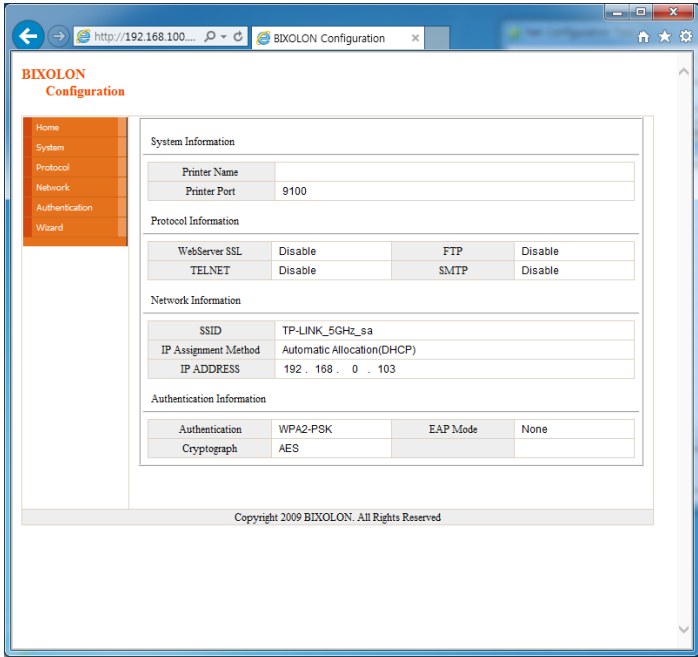
- **LAN Configuration Selection**

Settings related to Home, System, Protocol, and Network (LAN) can be configured in this window.



- **Wireless LAN selection**

Home, System, Protocol, Network (WLAN), and Authentication can be configured from this window, and the wizard mode is also provided for easier step by step configuration.



[Note]

More information about options, please refer to 'Ethernet Interface Manual' or 'Network User Manual'.