WizFi630 Quick Start Guide

(Version 1.1)

☞ For more information, visit our website at http://www.wiznet.co.kr

Document Revision History

Date	Revision	Changes
2012-07-02	1.0	Release.
2012-07-05	1.1	Add link for serial command guide. Modify error sentence.

<Contents>

![WIZnet logo]
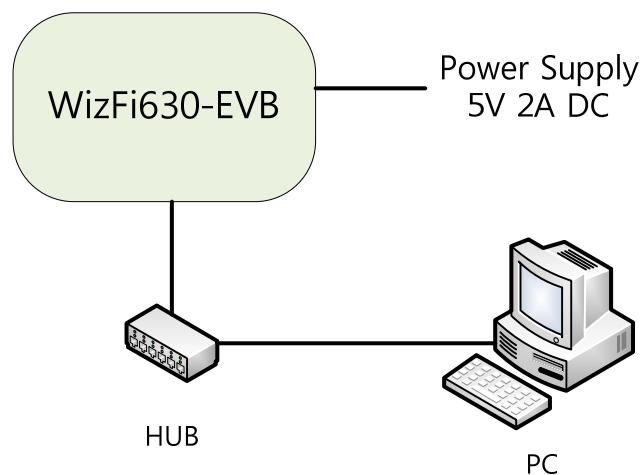
1. How to connect to administration web page

This chapter will explain about the basic settings for connecting to the administration web page.

The content of this chapter is based on WizFi630-EVB for evaluation of WizFi630.

1.1. Configuration of WizFi630-EVB

WizFi630 I/F SOCKET

SERIAL #2

SERIAL #1

USB PORT

WAN PORT

LAN PORT #1

LAN PORT #2

POWER JACK

1.2. Test Settings (H/W)

WizFi630-EVB

Power Supply
5V 2A DC

HUB

PC
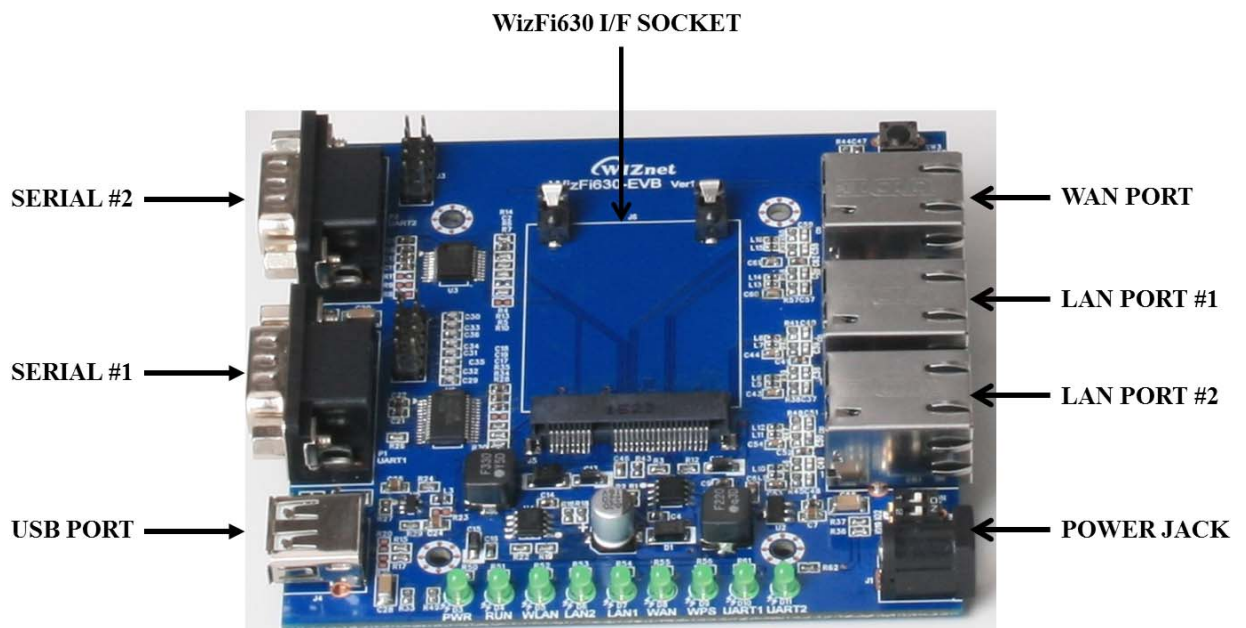
◆ Connect the WizFi630 module onto WizFi630-EVB.

◆ Connect a 5V, 2A Adapter and turn on the switch.

![WIZnet logo]

◆ Connect the Ethernet port of WizFi630-EVB with the hub.

◆ Connect the PC with the hub.

1.3. Test Settings (S/W)

Please use the following WizFi630 network setting for the user's PC network setting.

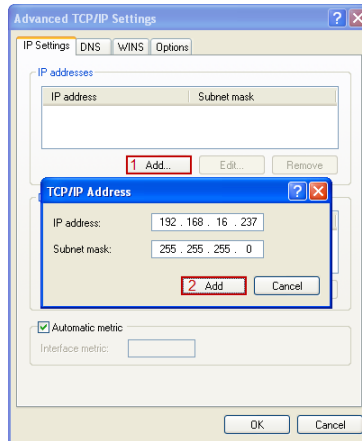| WizFi630	PC
IP Address: 192.168.16.254 Gateway: 192.168.16.1 Subnet: 255.255.255.0	IP Address: 192.168.16.XXX Gateway: 192.168.16.1 Subnet: 255.255.255.0

◆ Open "Network Connections" from "Control Panel."

◆ Right click "Local Area Connection" and select "Properties."
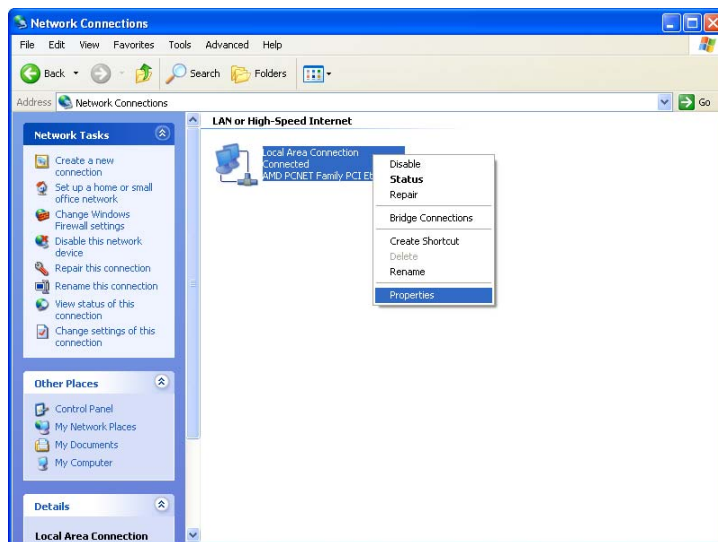
◆ Select "Internet Protocol(TCP/IP)" and click "Properties." Click "Advanced" at the new window.
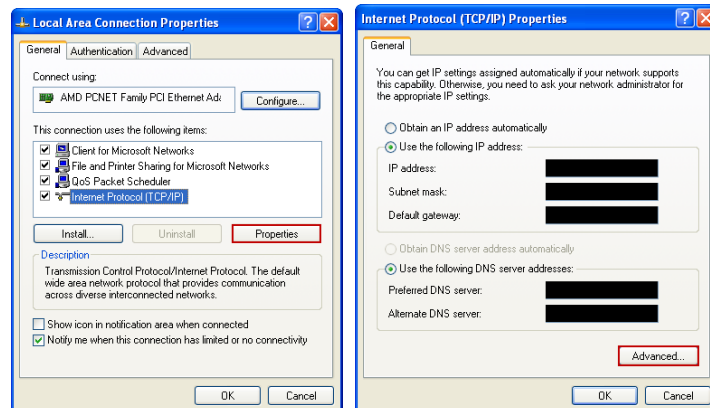
◆ Click "Add" in the "Advance TCP/IP Settings" window, and enter the IP address as 192.168.16.XXX and the subnet mask as 255.255.255.0 and click "Add" again.
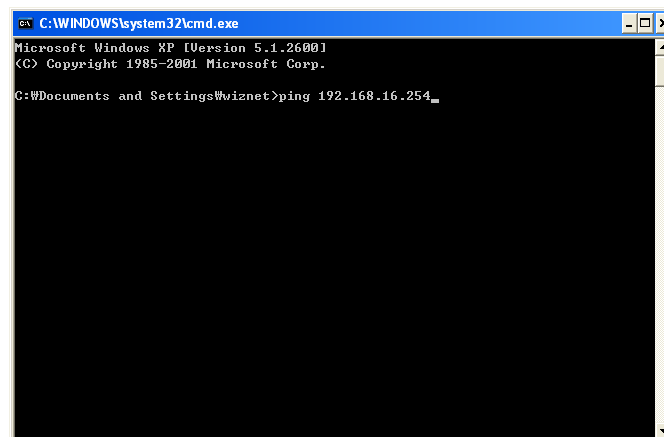

1.4. Connection Check

After the test setting is done, check the connection between WizFi630 and the PC using ping test.

◆ Click Start -> Run and enter cmd.
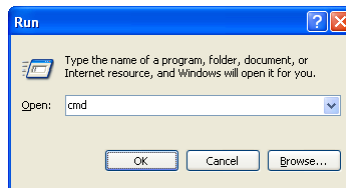
◆ Enter ping 192.168.16.254 when the CMD window opens.

1.5. Connecting the Web page of WizFi630

◆ Some items may be not supported depending on the version.

◆ The following processes may vary depending on the user's version.

1.5.1. Web address

◆ Open a web browser on user's PC.

Input the default IP address of WizFi630, "192.168.16.254" and click Enter.

1.5.2. Web Login

◆ A pop up will request user to input User ID and Password

◆ User ID: admin / Password: admin

◆ The system's basic information, as shown below, will appear if successfully authenticated..

Type	Description
F/W Version	The firmware version of WizFi630 is displayed.
System Up Time	System up time displayed.
Operation Mode	System operation mode displayed.
Internet Configuration	Information of the external network is displayed.
Local Network	Information of the Local network is displayed.
Ethernet Port Status	Link of LAN Port status is displayed.

2. Demonstration & Test

This section will show examples of how to test WizFi630.

The operation modes will be AP mode and Client (Station) mode when testing WizFi630.

2.1. Serial to Wi-Fi Test 1 (AP Mode)

2.1.1. Environment for Serial to Wi-Fi Test

This section will explain on how to set Wizfi630 in AP mode and test Serial to Ethernet.

Connect WizFi630 and <PC1> with RS-232 and LAN cable as shown below; set the operation mode as AP mode, and start the TCP server.

Connect <PC2> with WizFi630 and communicate using TCP client program.

The communicated data can be checked from <PC1> serial terminal.
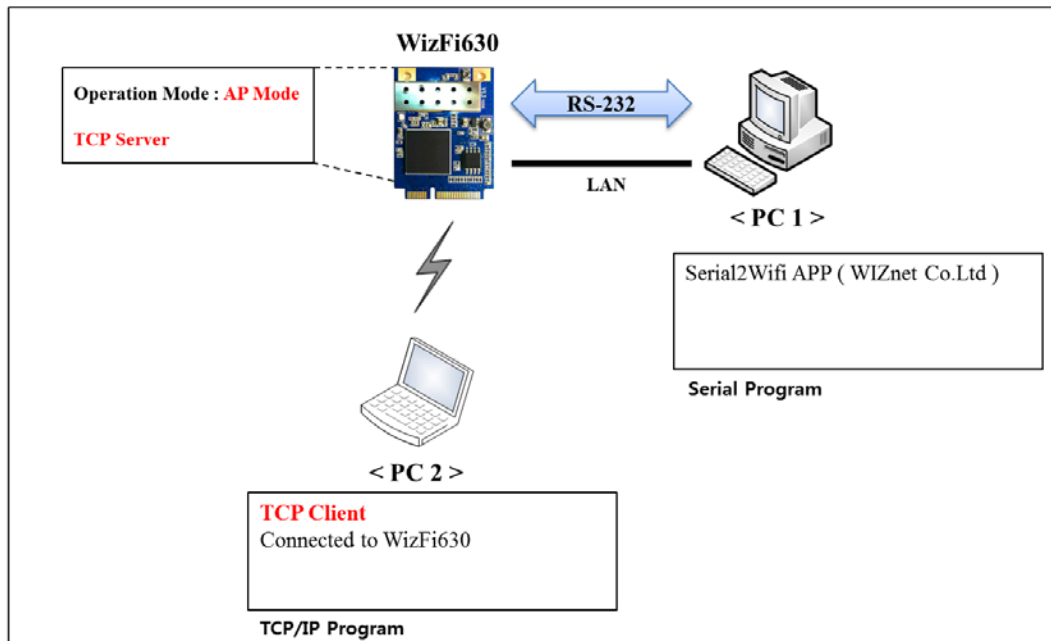
2.1.2. Setting WizFi630

1. Connect <PC1> and WizFi630.
2. Enter 192.168.16.254 in <PC1> web browser and connect to the administration web page.
   (We recommend directly connecting <PC1> and WizFi630 instead of using hub).

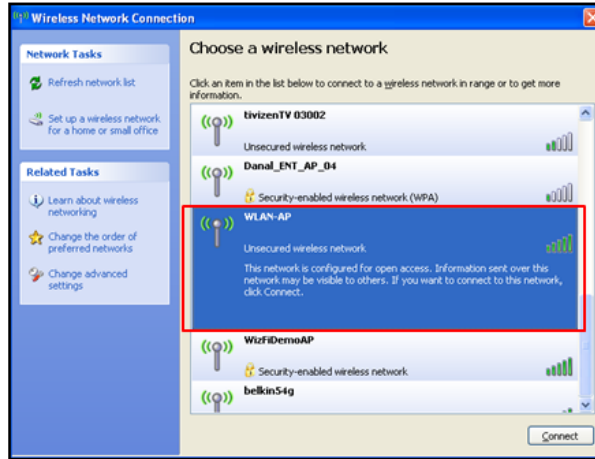3. Check the operation mode of WizFi630; select AP mode in case of other mode is being used.
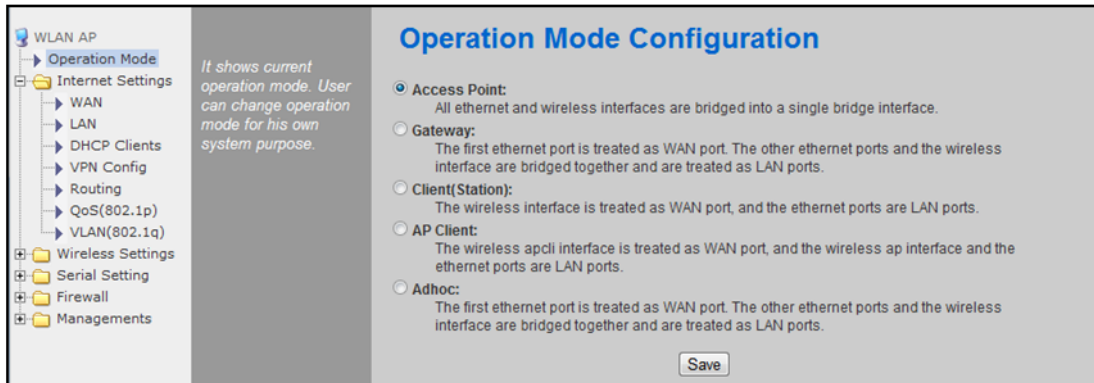
4. Set the serial settings of the WizFi630 to TCP server as shown below.
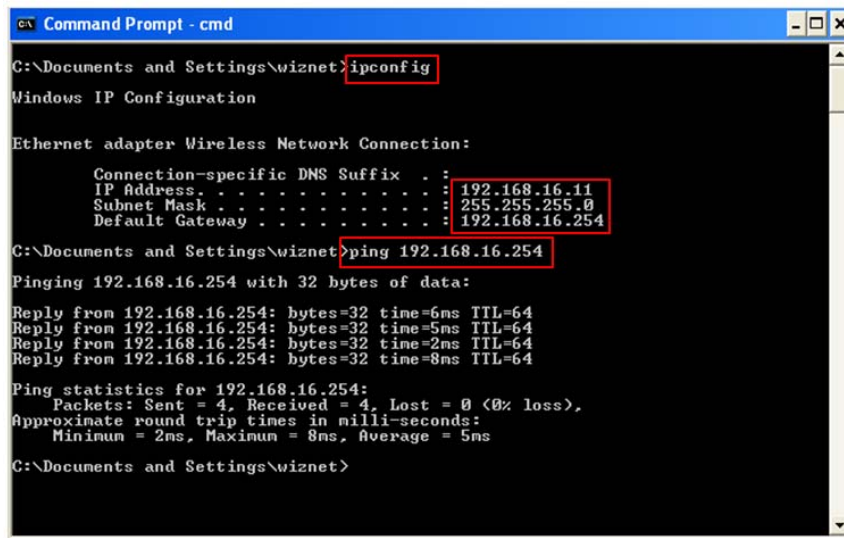   (Check the Server Port, Baud rate, Data bits, Parity, Stop bits, and Flow control)
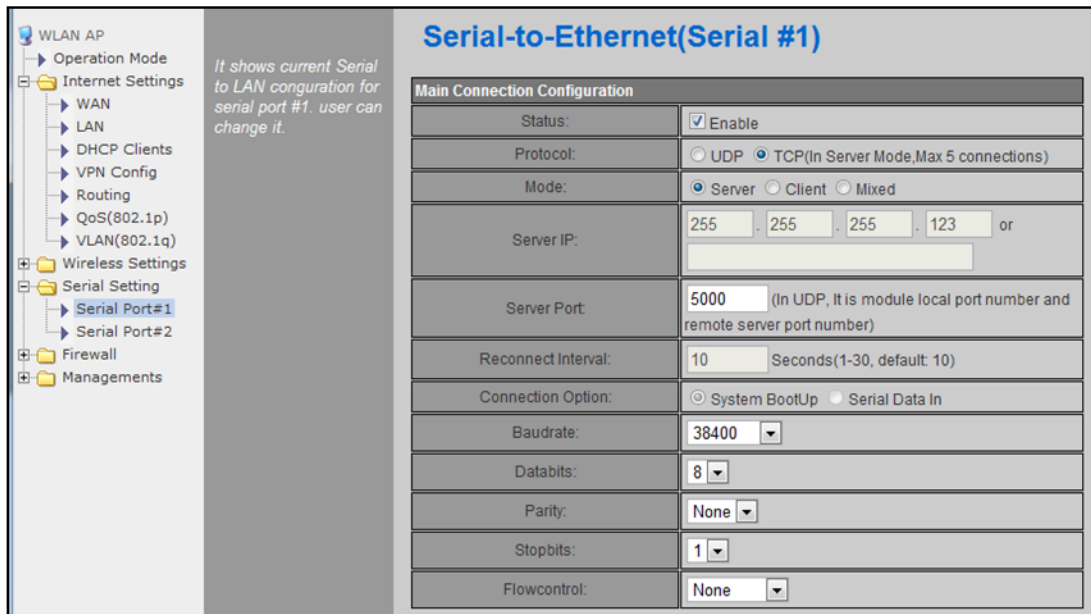
2.1.3. <PC 2> Settings

1. Connect the network for WizFi630 < Default SSID : WLAN-AP >

2. Retrieve the IP address of WizFi630 and ping test.

   If the ping test is successful, the network is connected.

2.1.4. Comunication Test of WizFi630

1. Open <PC1>'s serial program, enter the serial configuration value, and click 'open.'
   < Serial Program: Device Terminal Ver. 1.0 >
2. Open <PC2>'s TCP/IP program, enter the IP address of the TCP server (192.168.16.254), and click 'connect.' < TCP/IP Program : Device Terminal Ver. 1.0 >
3. Check the data communication using <PC1>'s serial program and <PC2>'s TCP/IP program.
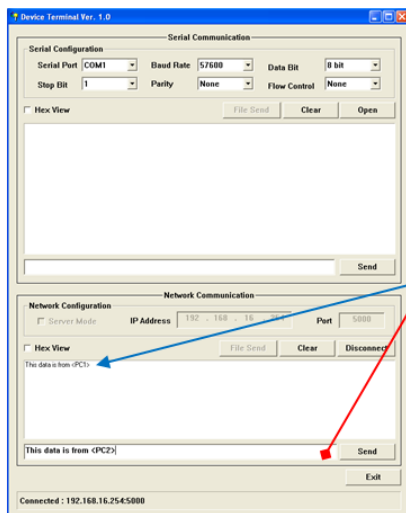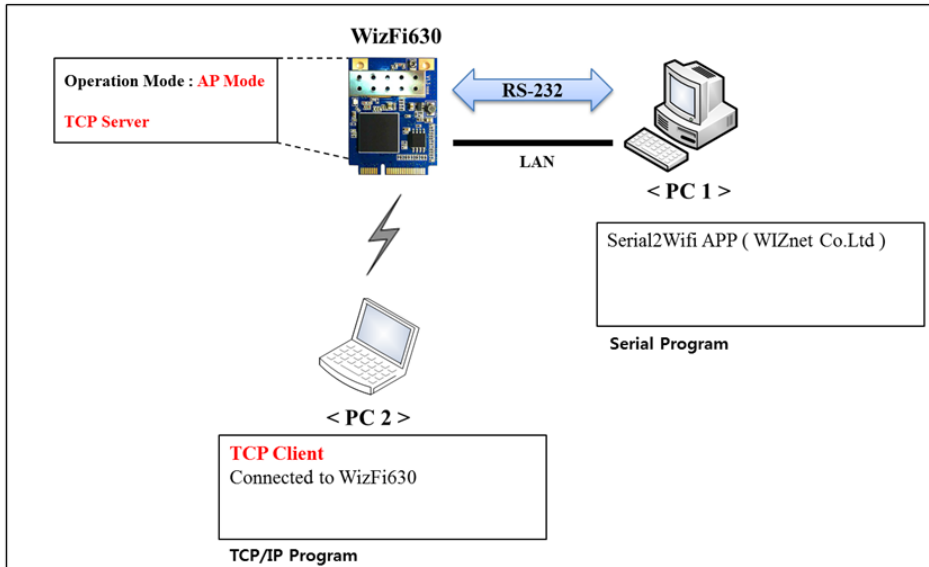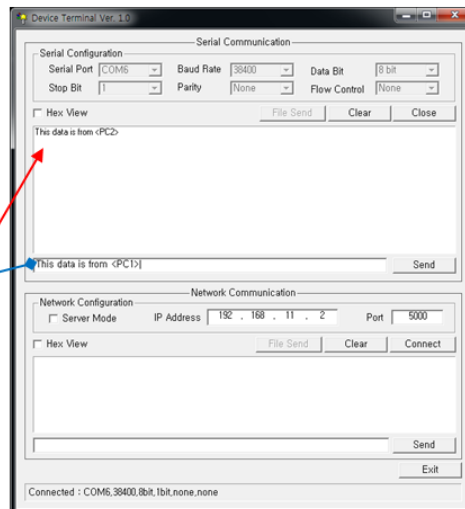
<PC 2> TCP/IP Program   **<PC 1> Serial Program**

2.2. Serial to Wi-Fi Test 2 (Client Mode)

2.2.1. Environment for Serial to Wi-Fi Test

This section will explain on how to set WizFi630 in client mode and test Serial to Ethernet.

Connect WizFi630 and <PC1> with RS-232 and LAN cable as shown below; set the operation mode as Client mode, and start the TCP server.

Connect <PC2> with WizFi630 and communicate using TCP client program.

The communicated data can be checked from <PC1> serial terminal.
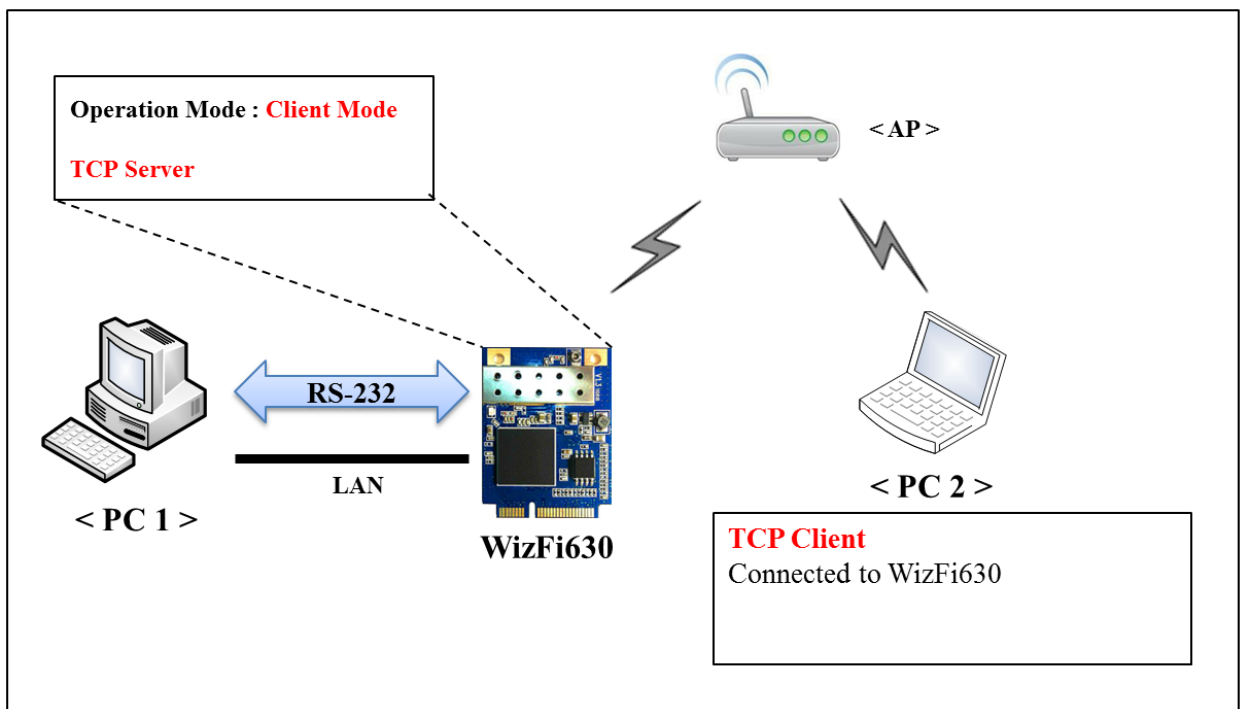
2.2.2. Setting WizFi630 < PC 1 >

1. Connect <PC1> and WizFi630 with serial cable and LAN cable.

2. Once serial connection is established with WizFi630, check the IP address with <R1> command.

   ※ Please refer to the WIZSmartScript including WizFi630 Serial Command Guide (http://www.wiznet.co.kr/WizFi630/download)
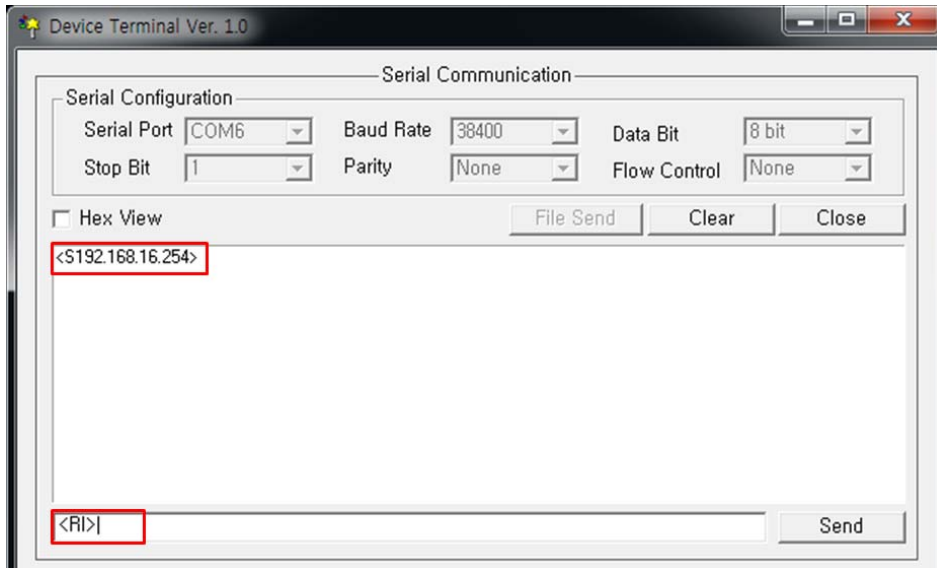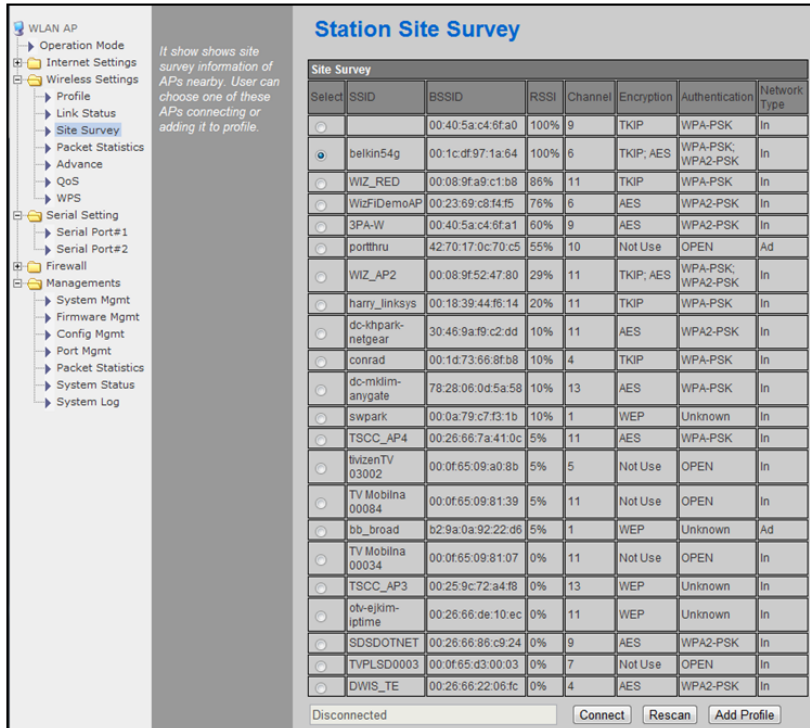
3. Enter 192.168.16.254 in <PC1> web browser and connect to the administration web page. (We recommend directly connecting <PC1> and WizFi630 instead of using hub).

4. Check the operation mode of WizFi630; select Client (Station) mode in case of other mode is being used.
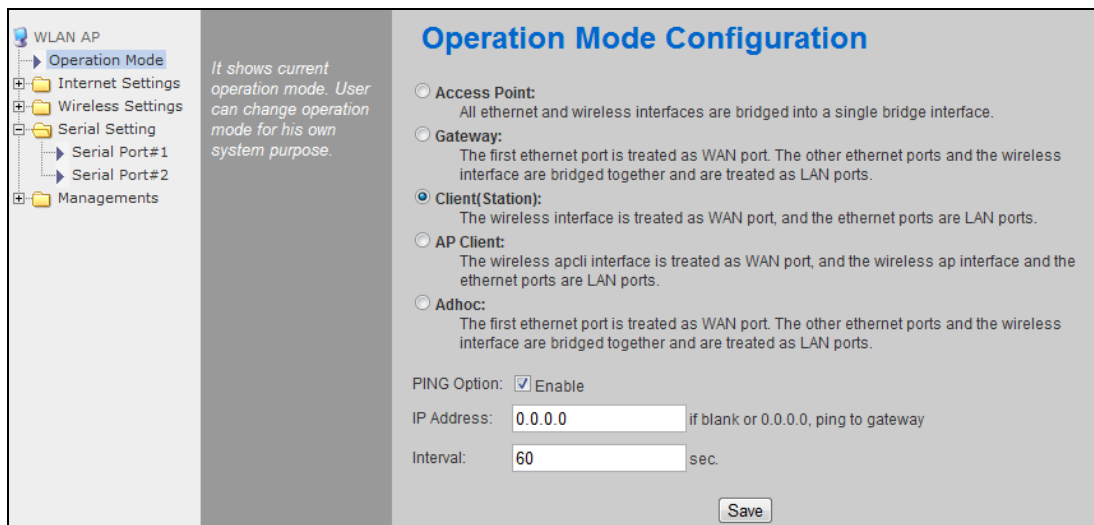
5. Attempt connection with surrounding AP in the Station Site Survey menu.

< SSID : belkin54g >

6. The WAN IP address below is the IP address assigned from AP.

7. Set the serial settings for WizFi630 to TCP server as shown below.

    (Check the Server Port, Baud rate, Data bits, Parity, Stop bits, and Flow control)
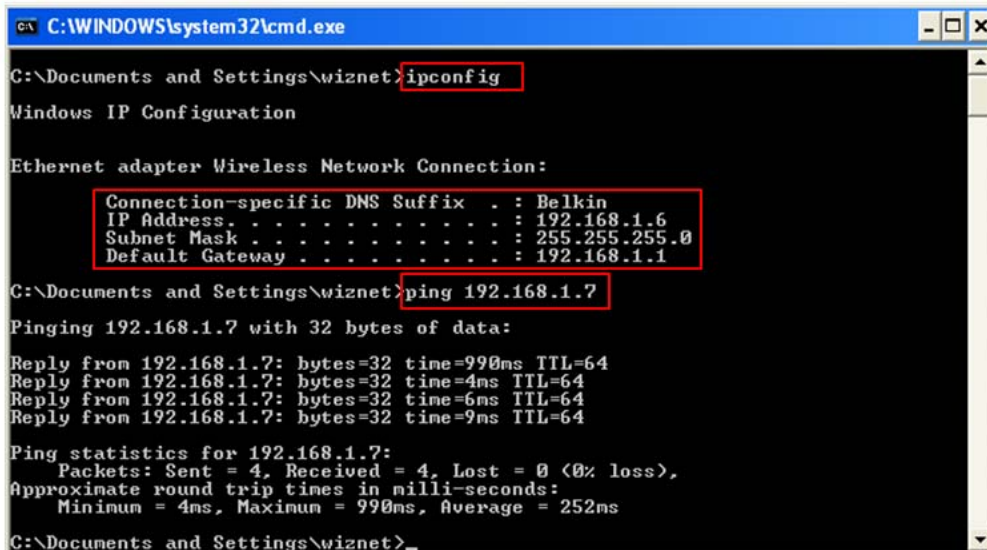
2.2.3. <PC 2> Settings
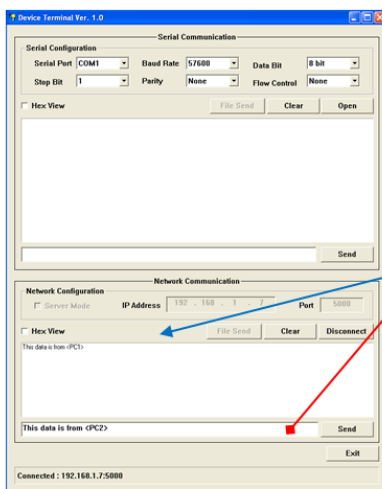
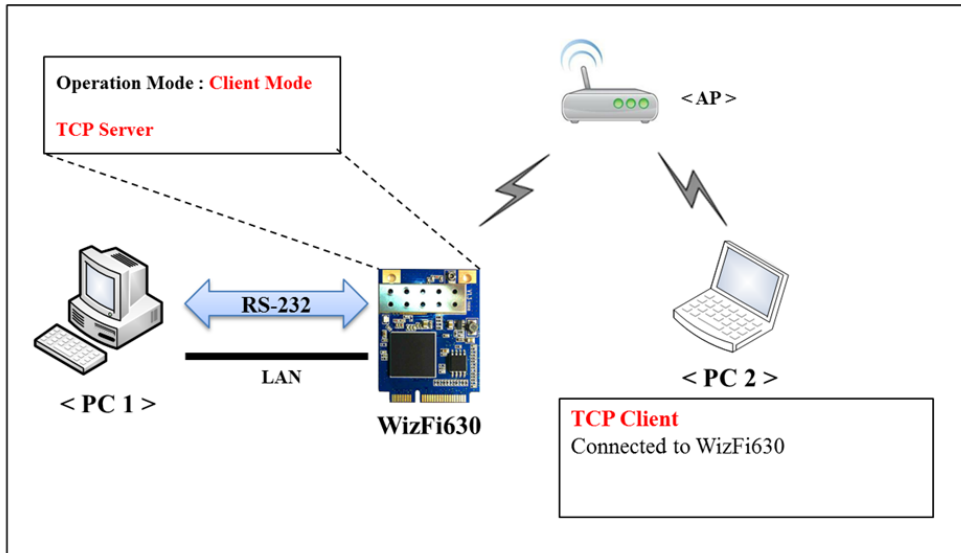1. Connect to AP. < Ex) belkin54g >
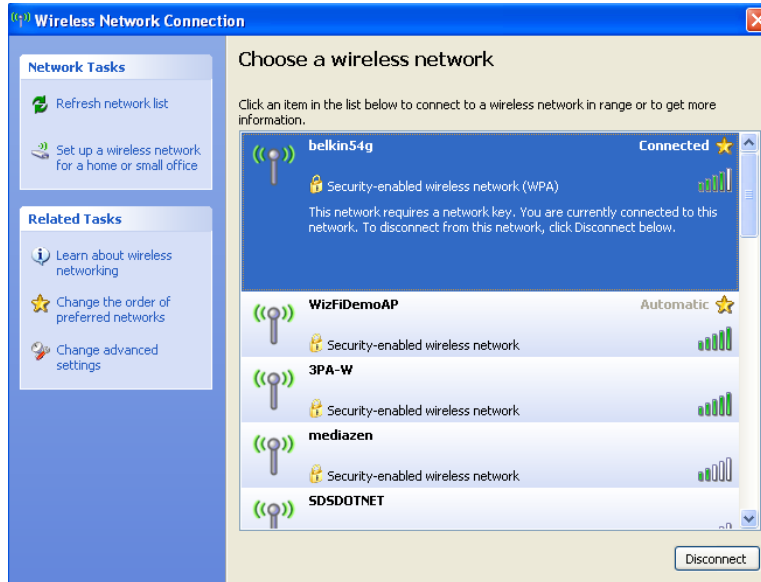
2. Retrieve the IP address of WizFi630 and ping test.

   If the ping test is successful, the network is connected.

   (WizFi630's IP Address : 192.168.1.7)
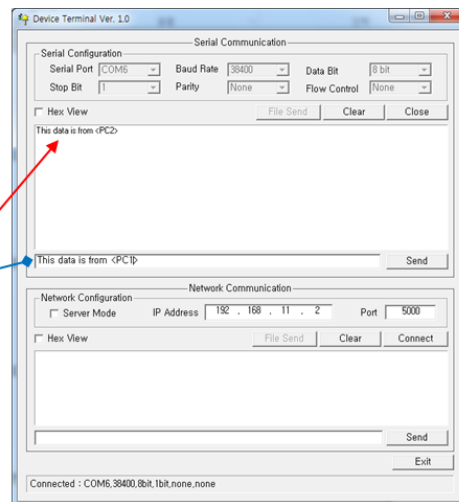
2.2.4. Communication Test of WizFi630

1. Open <PC1>'s serial program, enter the serial configuration value, and click 'open.'
   < Serial Program : Device Terminal Ver. 1.0 >

2. Open <PC2>'s TCP/IP program, enter the IP address of the TCP server (192.168.1.7), and click 'connect.' < TCP/IP Program : Device Terminal Ver. 1.0 >

3. Check the data communication using <PC1>'s serial program and <PC2>'s TCP/IP program.

<PC 2> TCP/IP Program   <PC 1> Serial Program