# EKI-6332 & EKI-136x-AE USDG Setup Example

| Revision Date | Revision | Description | Author |
|---|---|---|---|
| April/2018 | V1.0 | Initial release | ICG AE Jacky.Lin |
| May/2018 | V2.0 | Modify the TestView testing description | ICG AE Jacky.Lin |

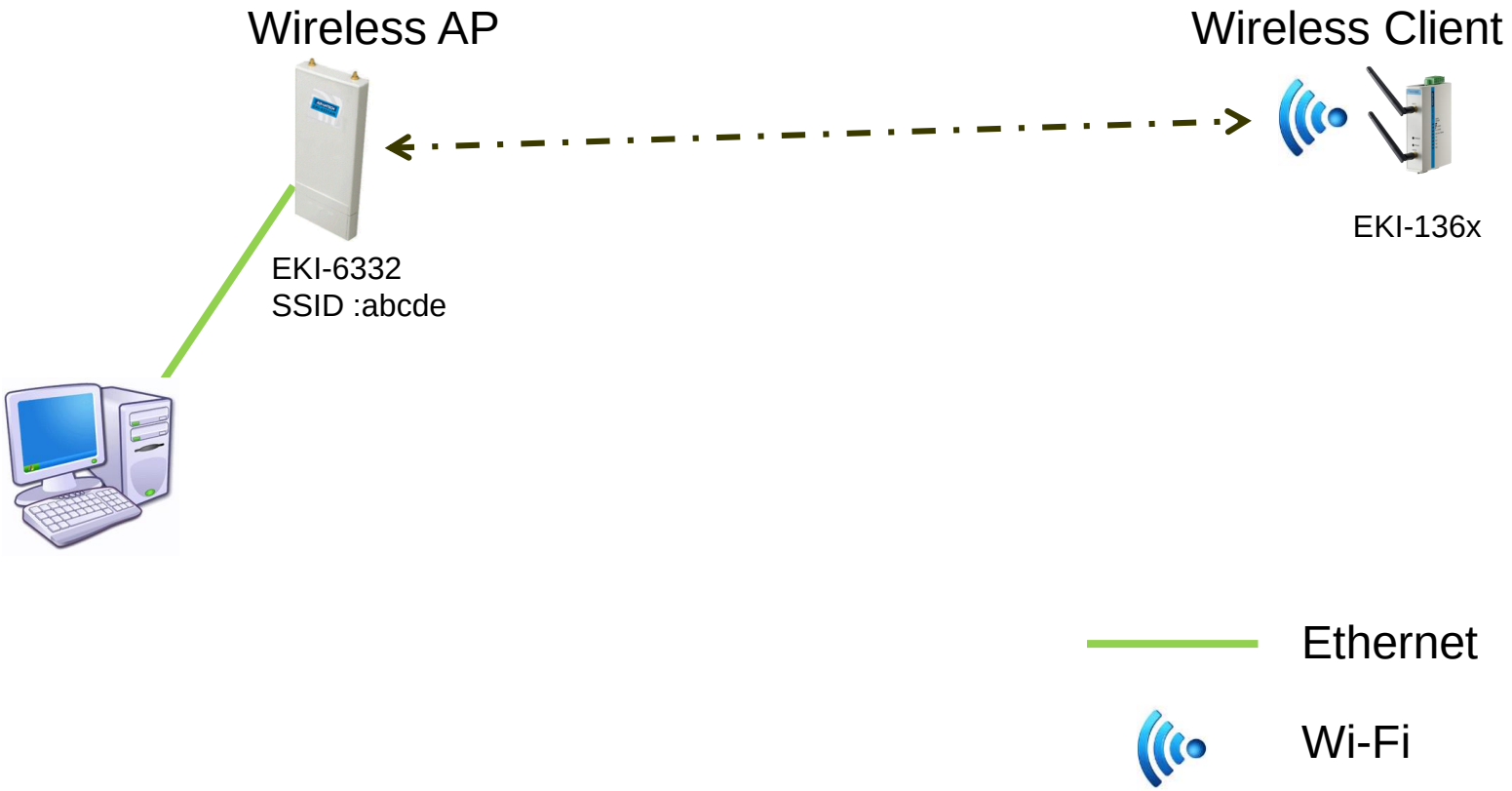
# Abstract

- **Part1 :This SOP explains how to configure the EKI-6332 & EKI-136x-AE to build up the wireless connection**
- **Part 2: This SOP also shows how to set the USDG Client/Server mode on EKI-136x-AE for collecting data from the SCADA PC .**
- **Related products:**

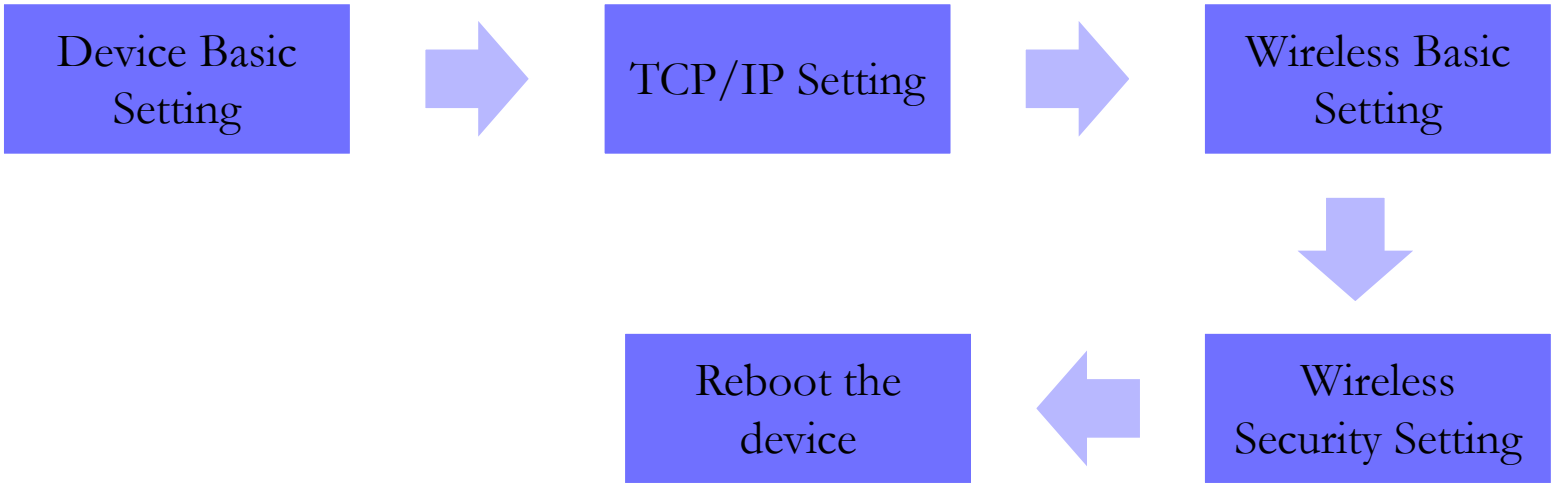
  EKI-6331, EKI-6332, EKI-136x-AE
- **Requirement:** EKI-6332, EKI-136x-AE, TestView tool (Third party tool)

# Wi-Fi connection Setup Between EKI-6332 & EKI-136x-AE

# EKI-6332GN --- EKI-136x wireless connection setting Topology

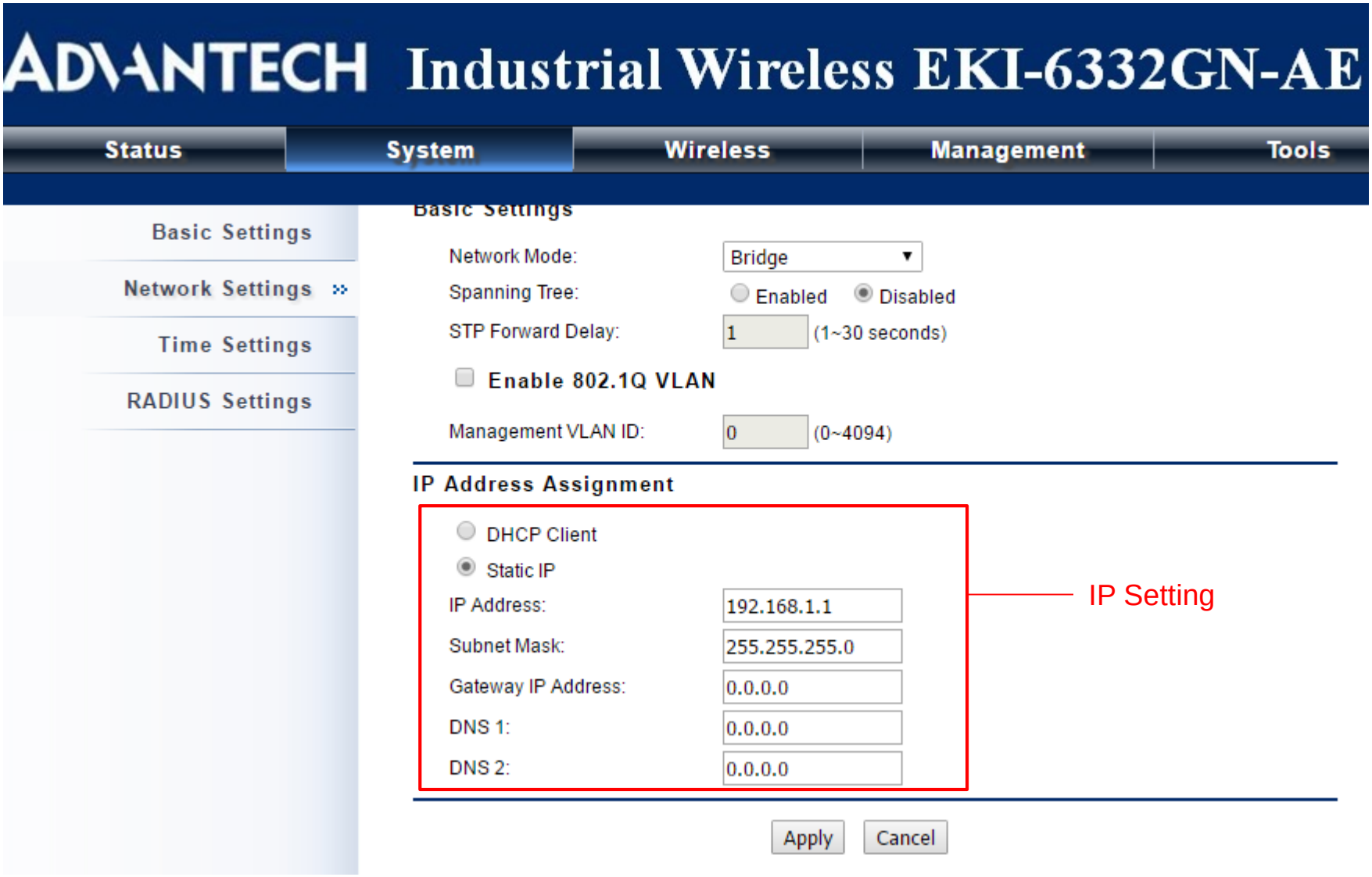


# EKI-6332GN Configuration Flow chart

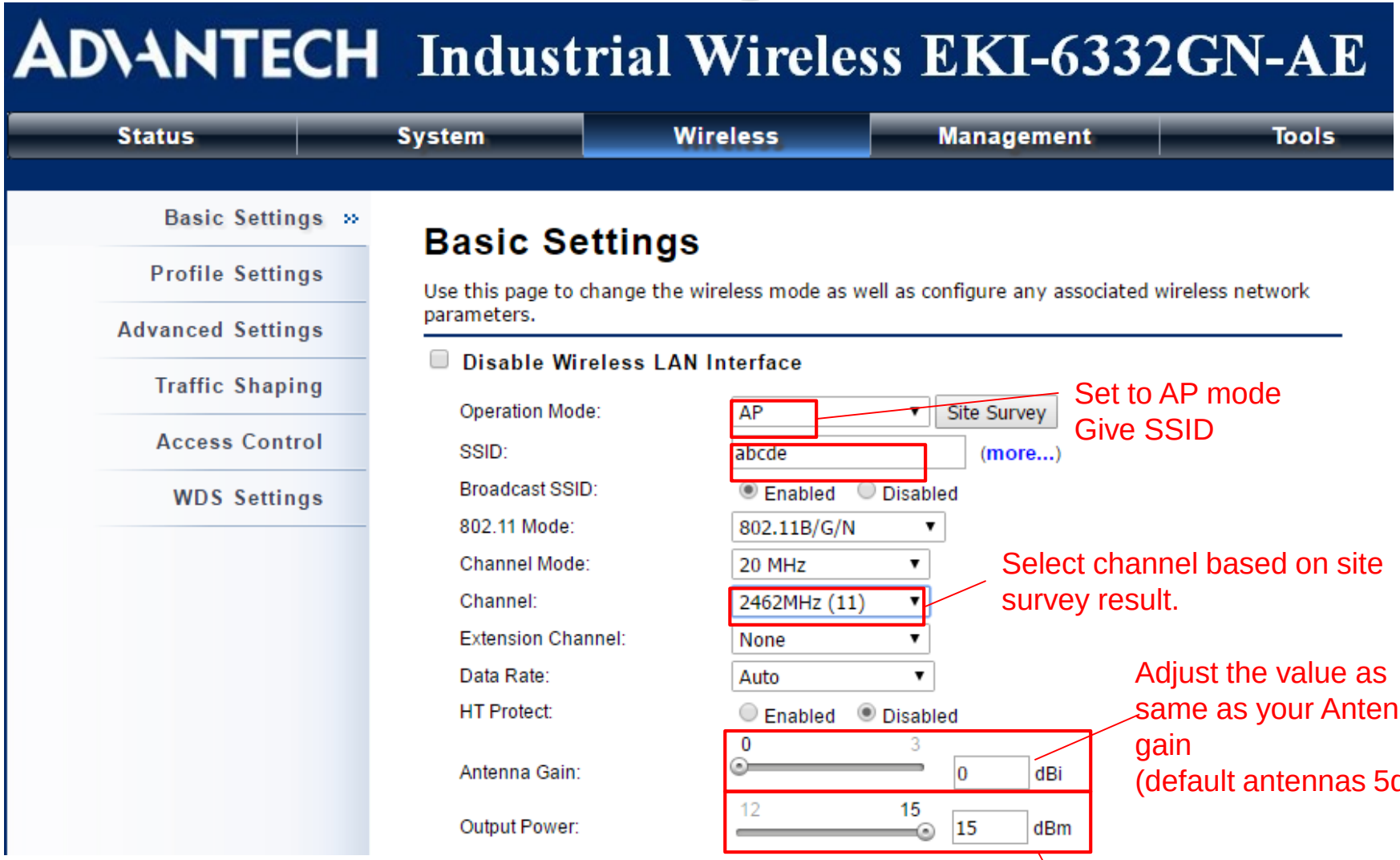



# Device Basic Setting

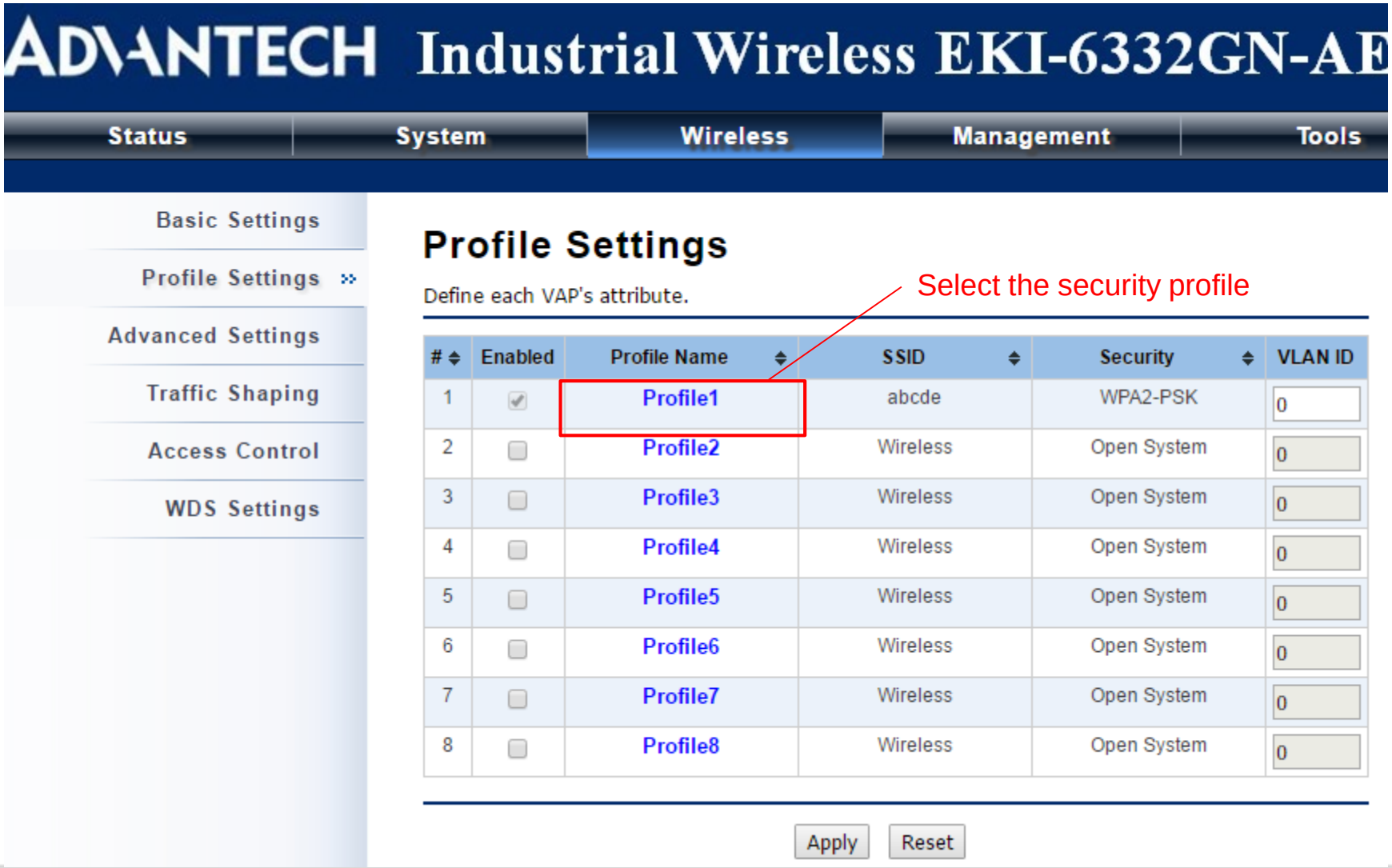
# TCP/IP Setting



# Wireless Basic Setting

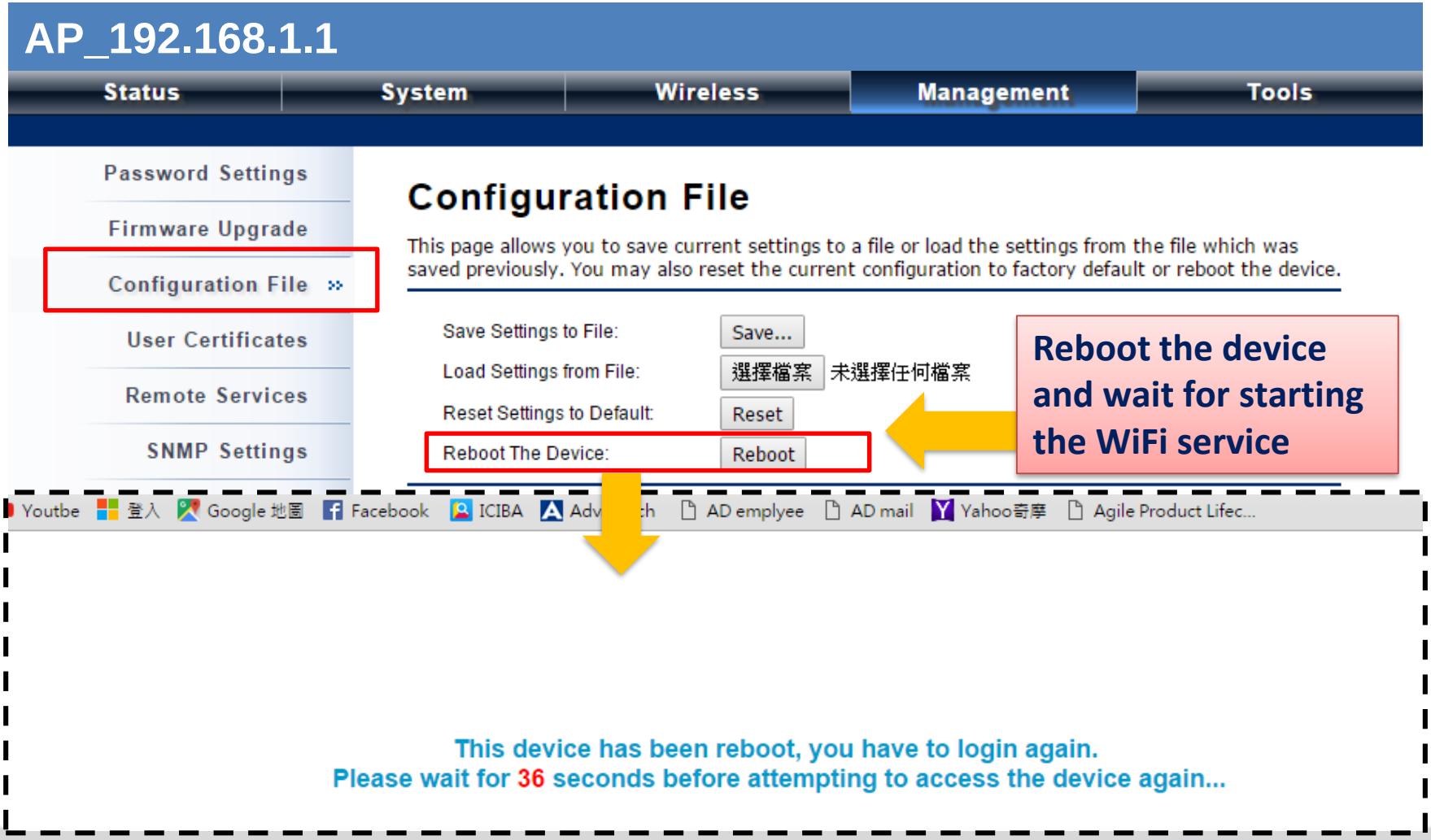


# Wireless Basic Setting

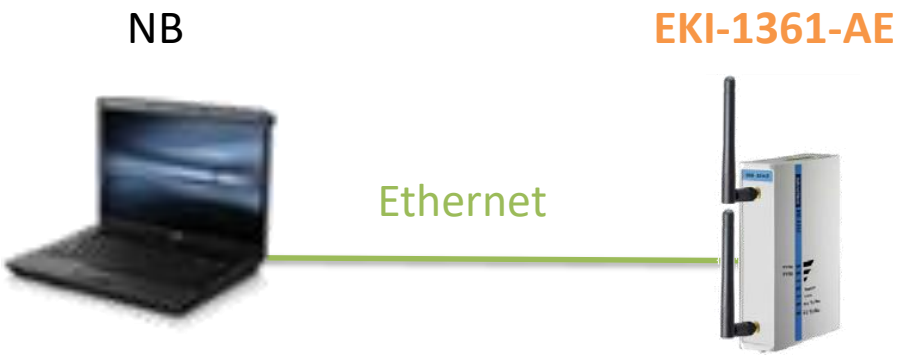


# WiFi Security Setting

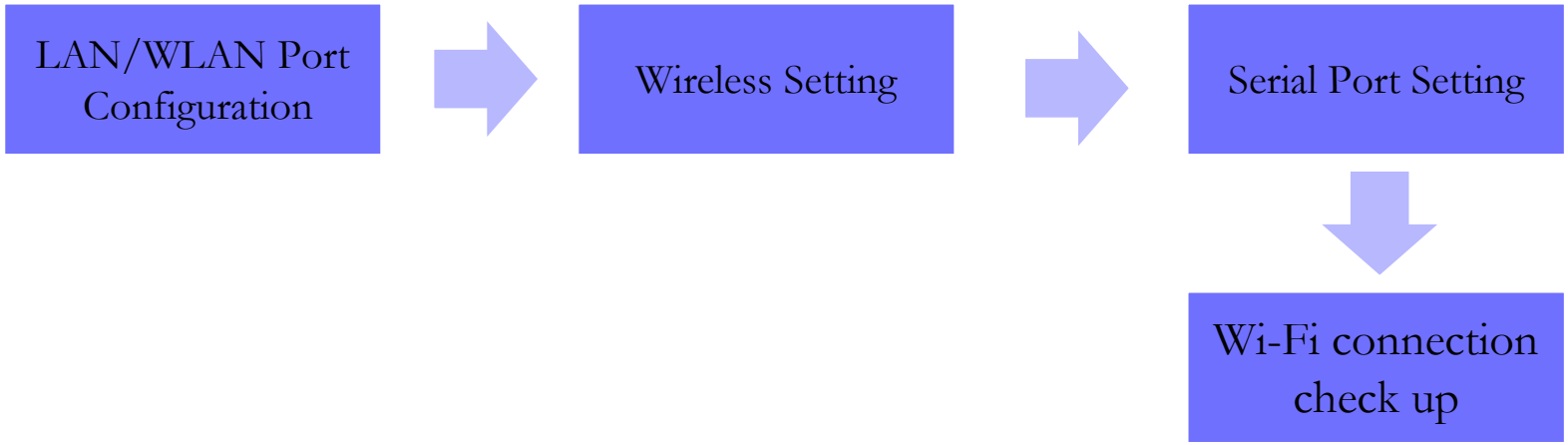
# Reboot the Device



# EKI-1361-AE Setting flow chart

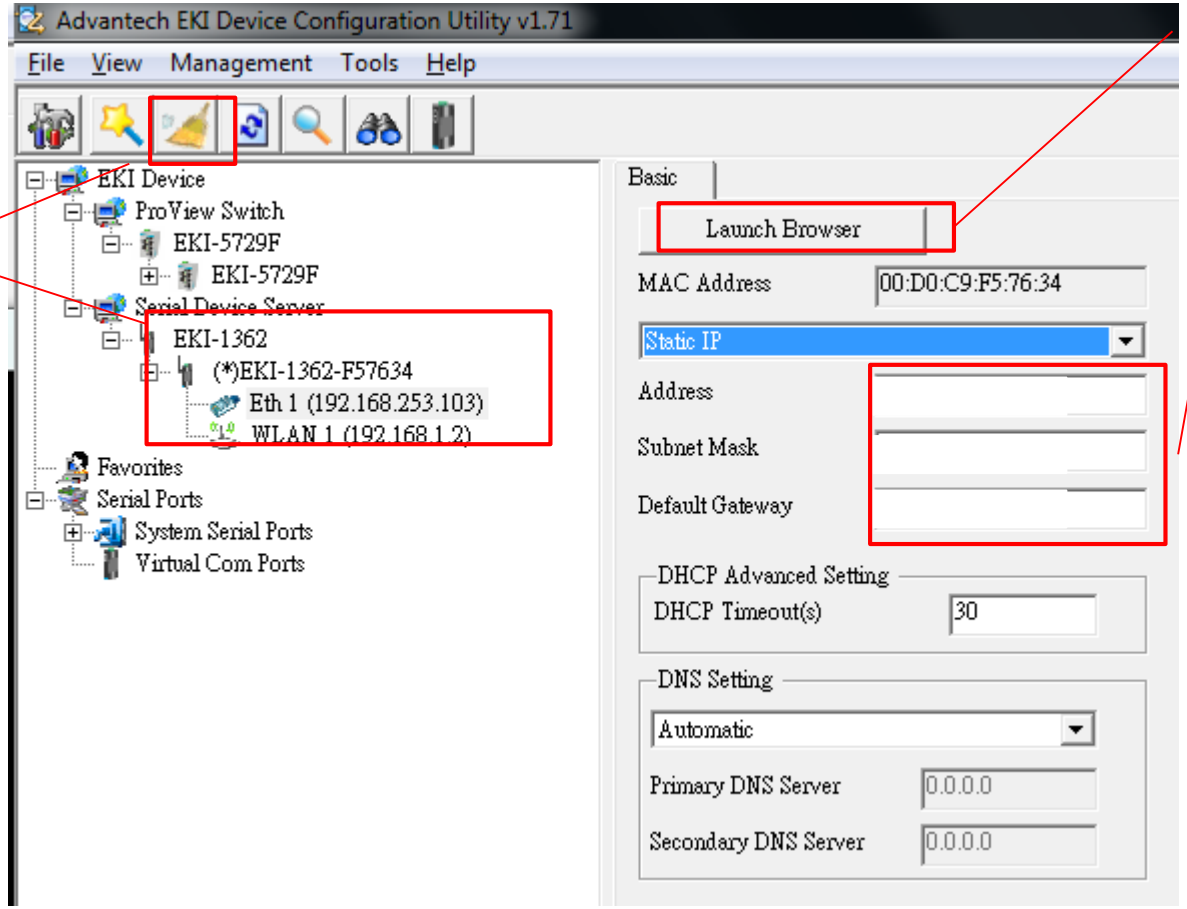



Step 1 : Connect the EKI-1361 via Ethernet cable
Step 2 : follow the flow chart to set up EKI-1361 step by step.



# LAN port configuration

1.EKI Utility will able to scan the EKI-136x

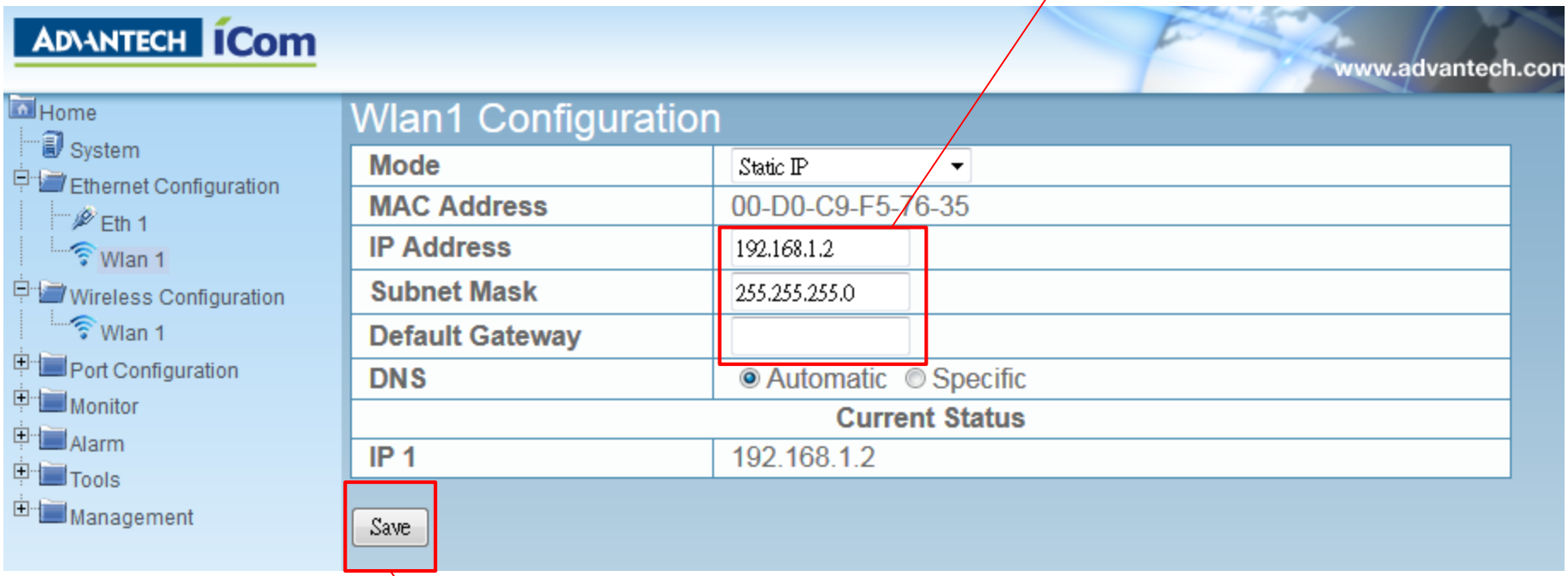



3.Click on Launch browser after “reboot”. To Enter port configuration

2.Config LAN IP to be the same subnet as the PC.

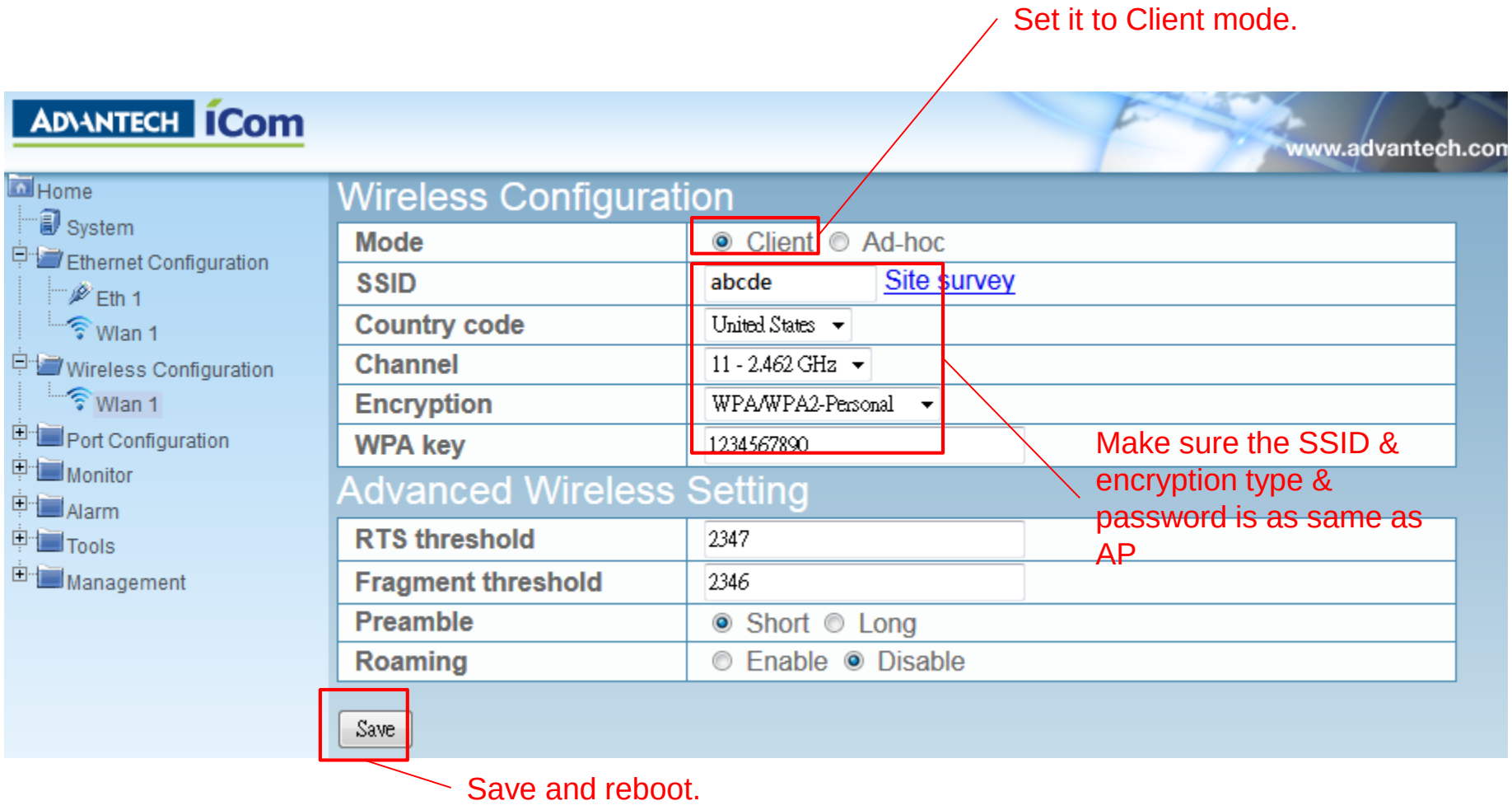
# Wireless LAN (WLAN) Configuration

Set static IP for the WLAN interface



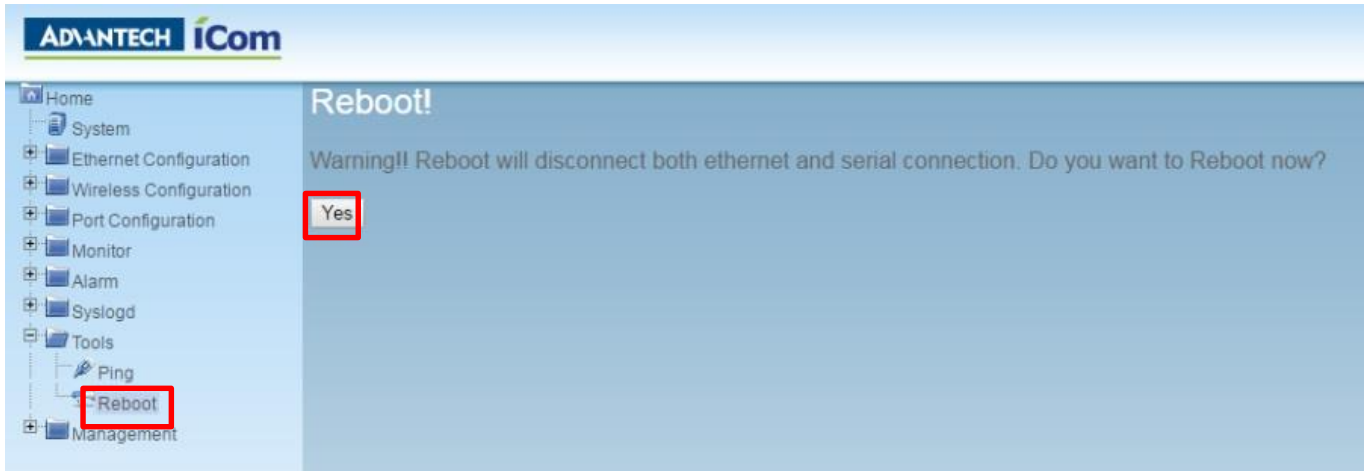

Click save on every config change,
Note: config will only be activated after device reboot

# Wireless basic setting

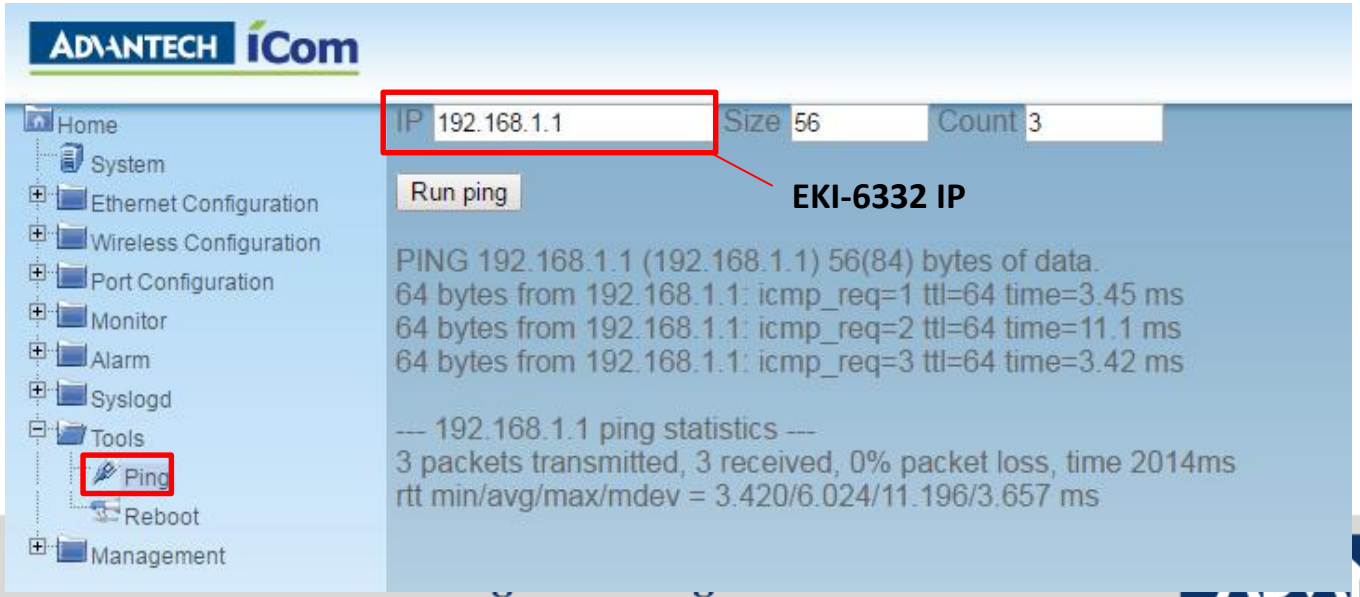


# Reboot and Run the ping test

Step 1 :Reboot device after all setting done



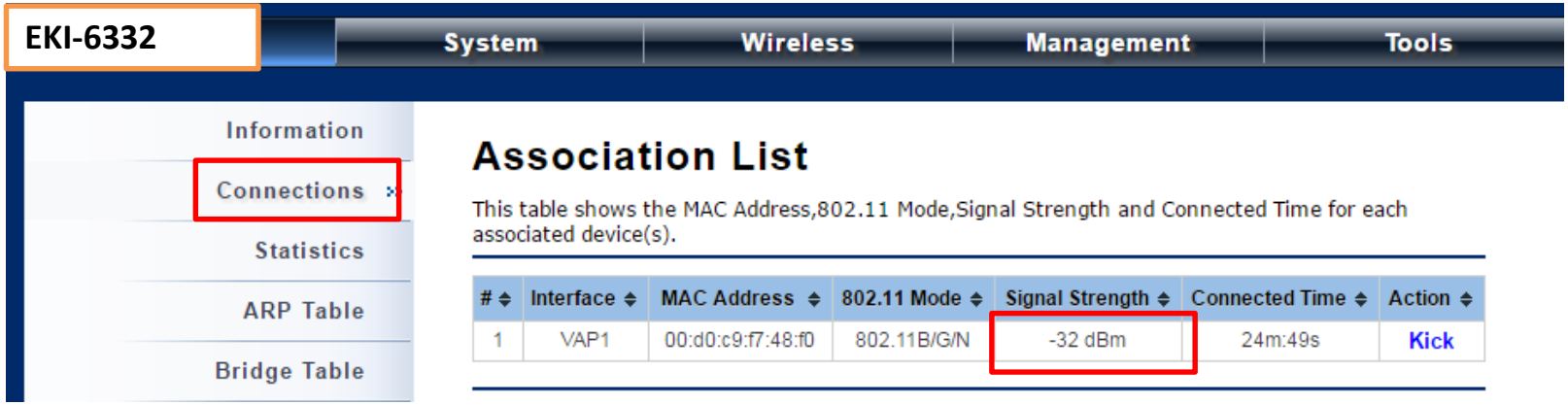

Step 2 : ping EKI-6332 to make sure the wireless connection is established



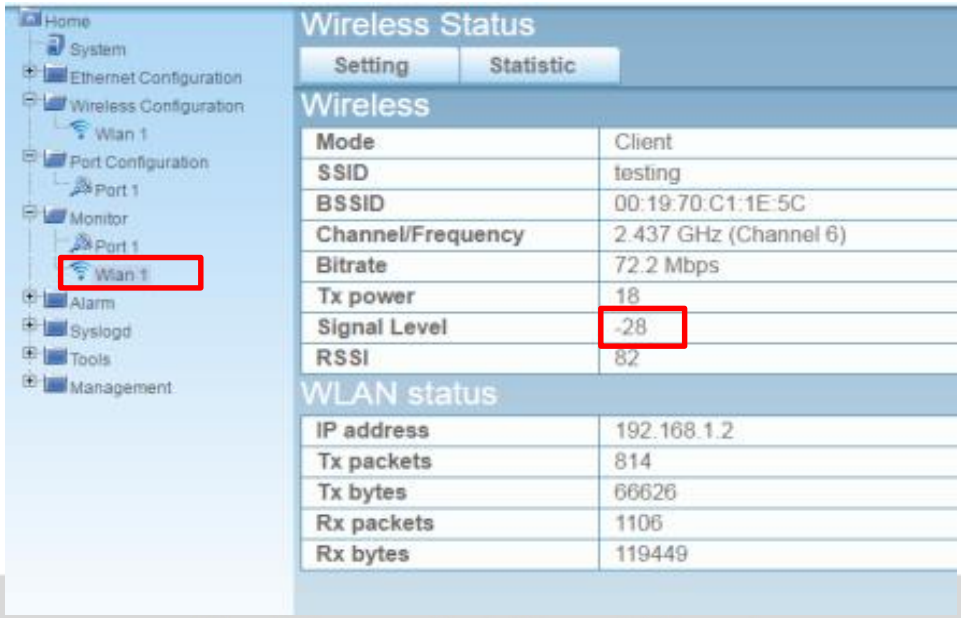
# Wi-Fi connection check up

You may also check the Wi-Fi signal for AP/client on Web GUI

**EKI-6332**

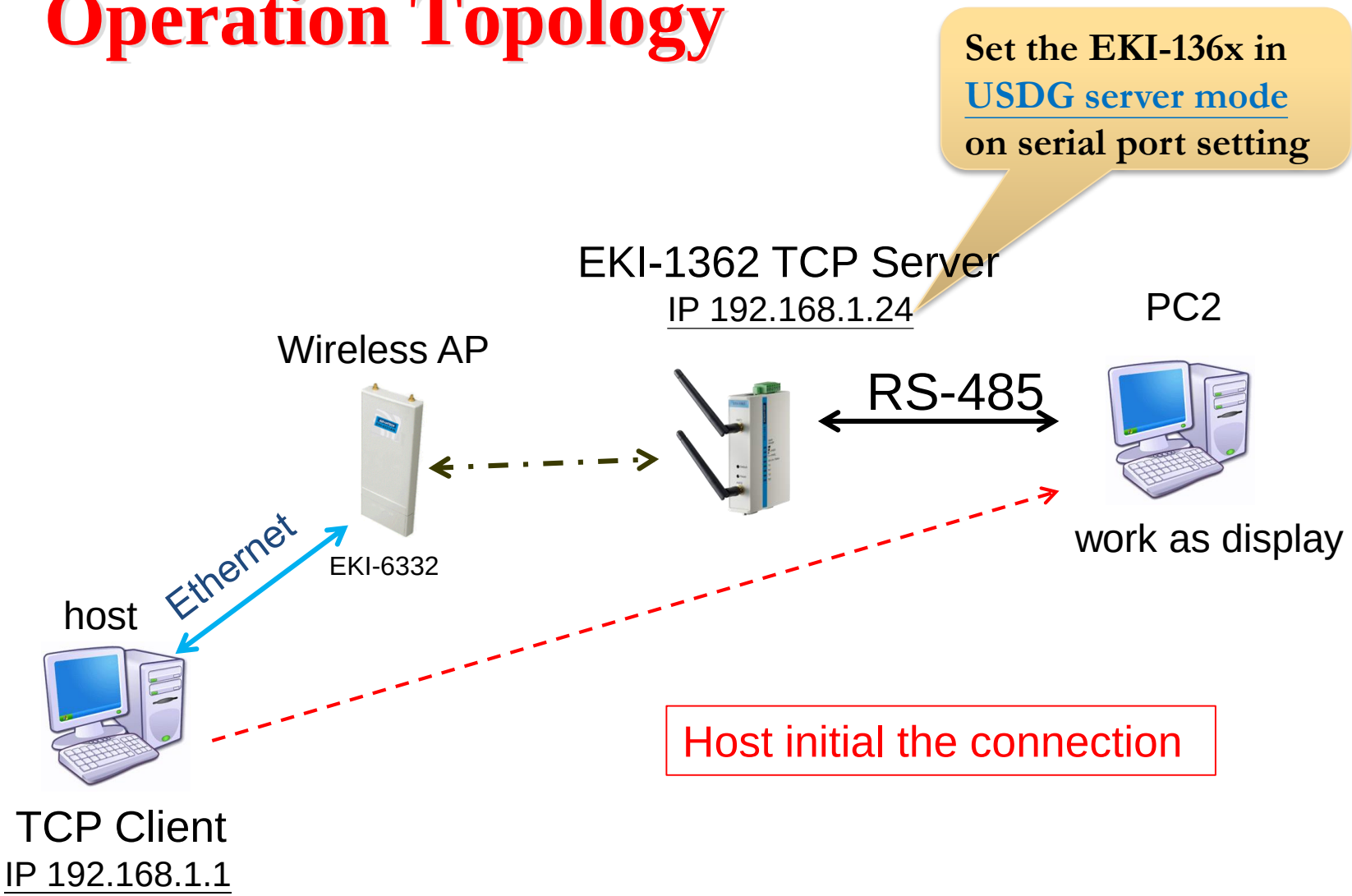



**EKI-1361**

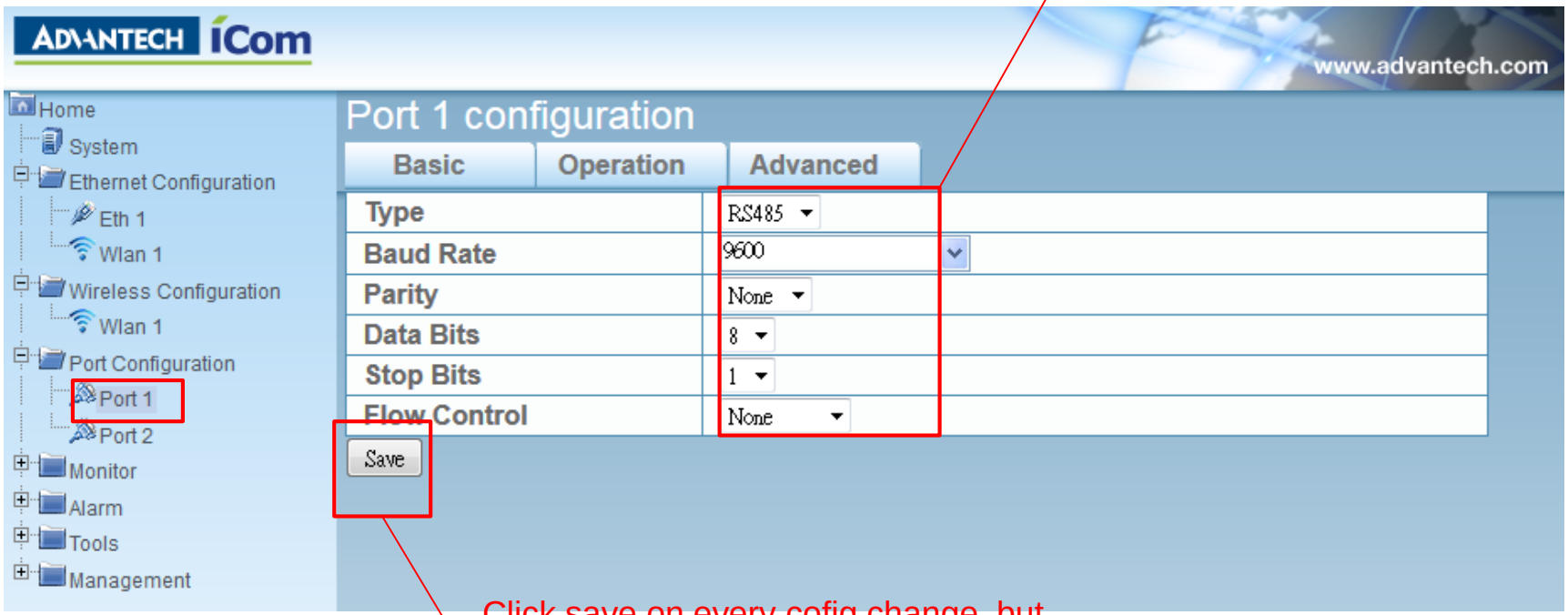


# Test USDG Server Mode by TestView

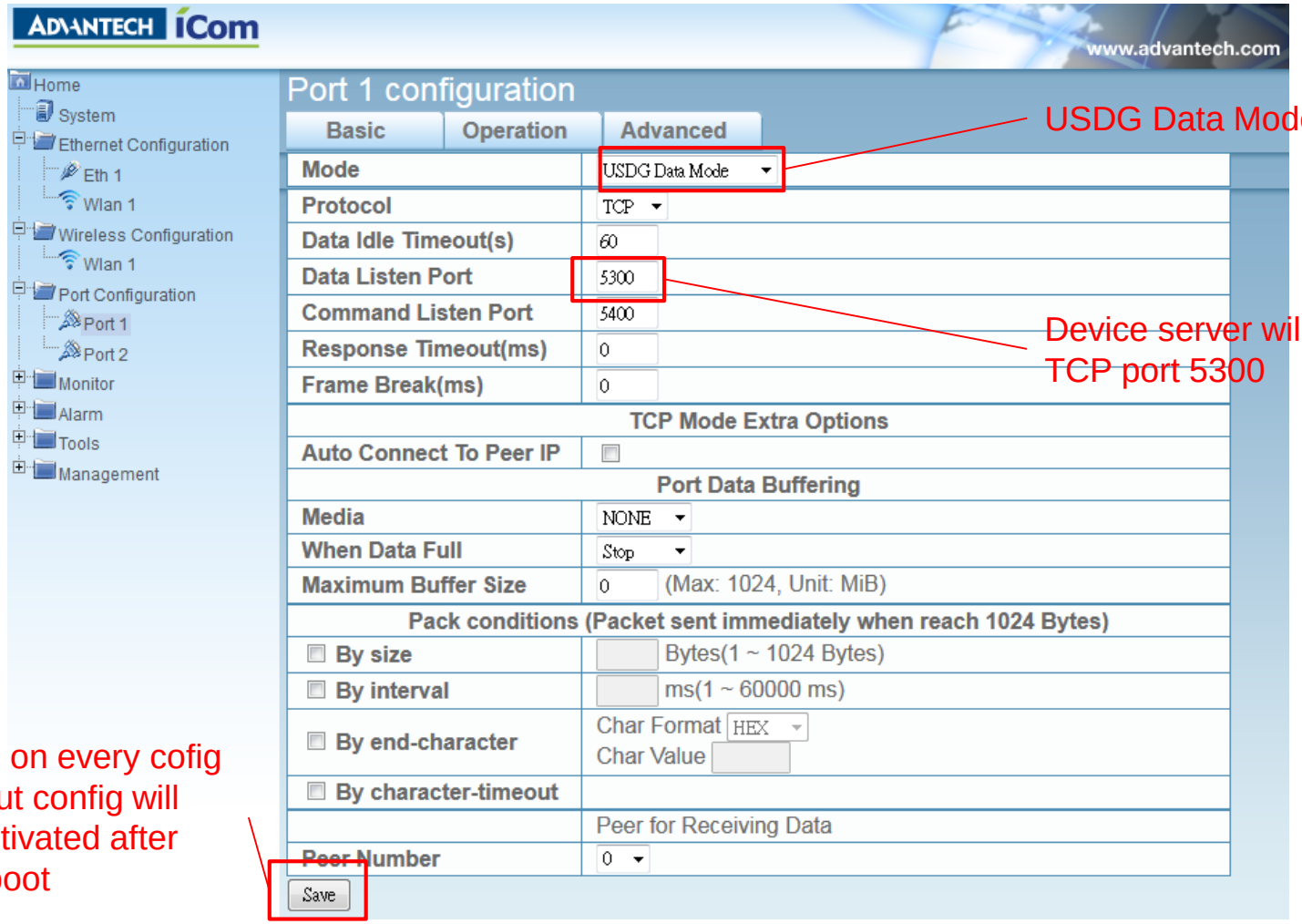
# USDG Server Mode
# Operation Topology



# Serial Port Setting (1/2)



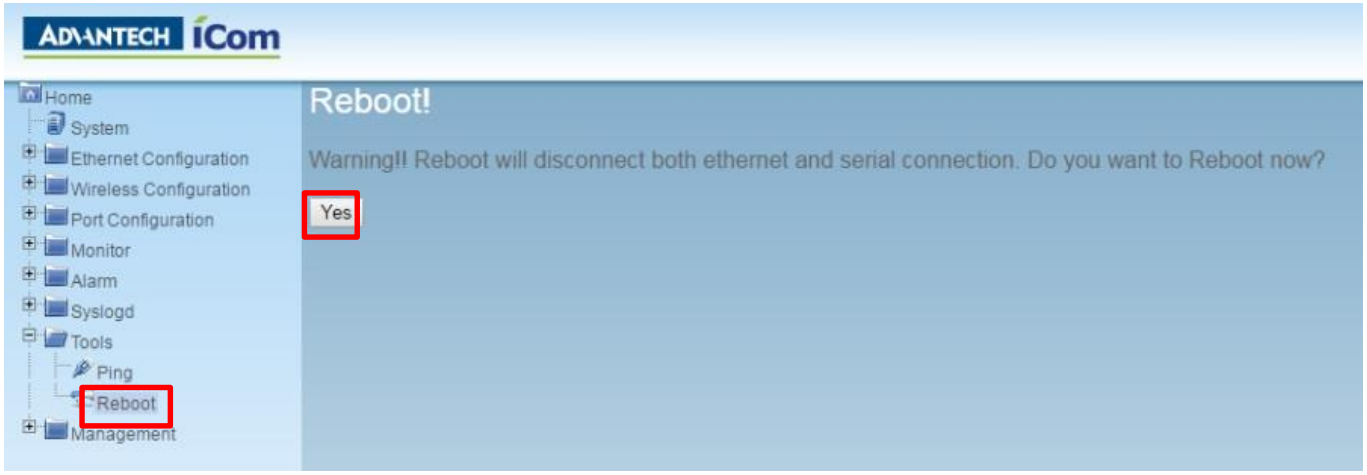
# Serial Port mode setting (2/2)
# USDG server mode




Click save on every cofig change, but config will only be activated after device reboot

# Reboot the EKI-136x device

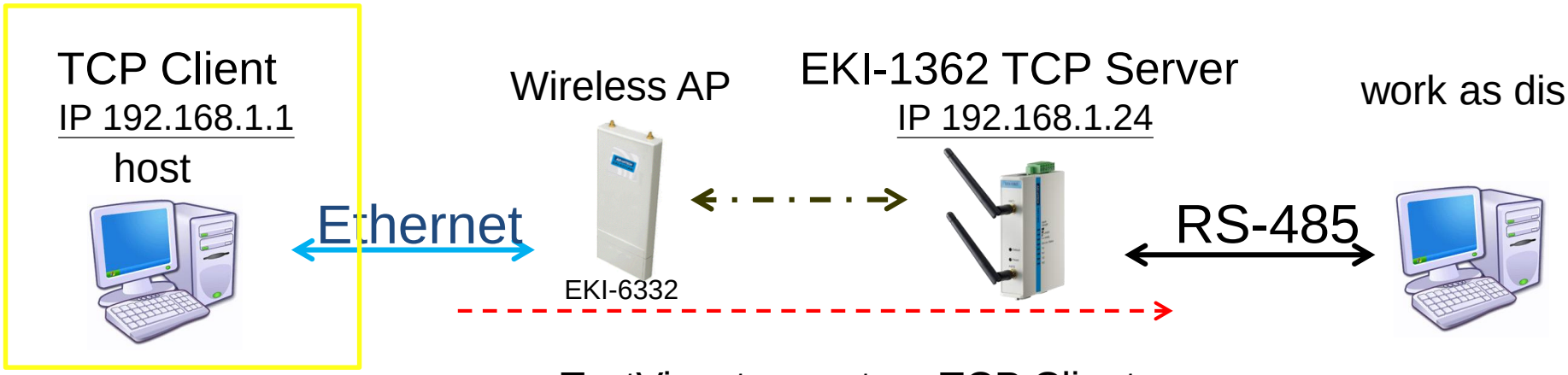
Step 1 :Reboot device after all setting done



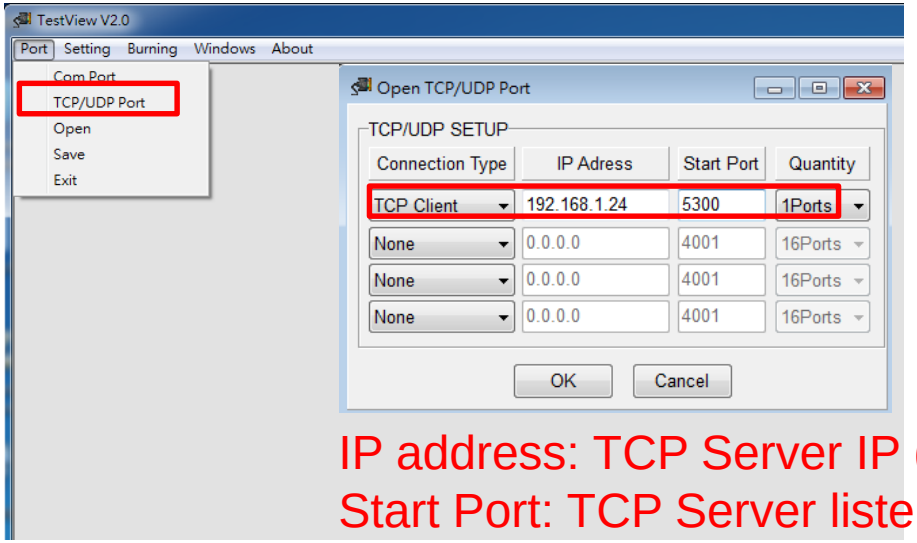
# USDG Server Mode

## Test by TestView

1st.



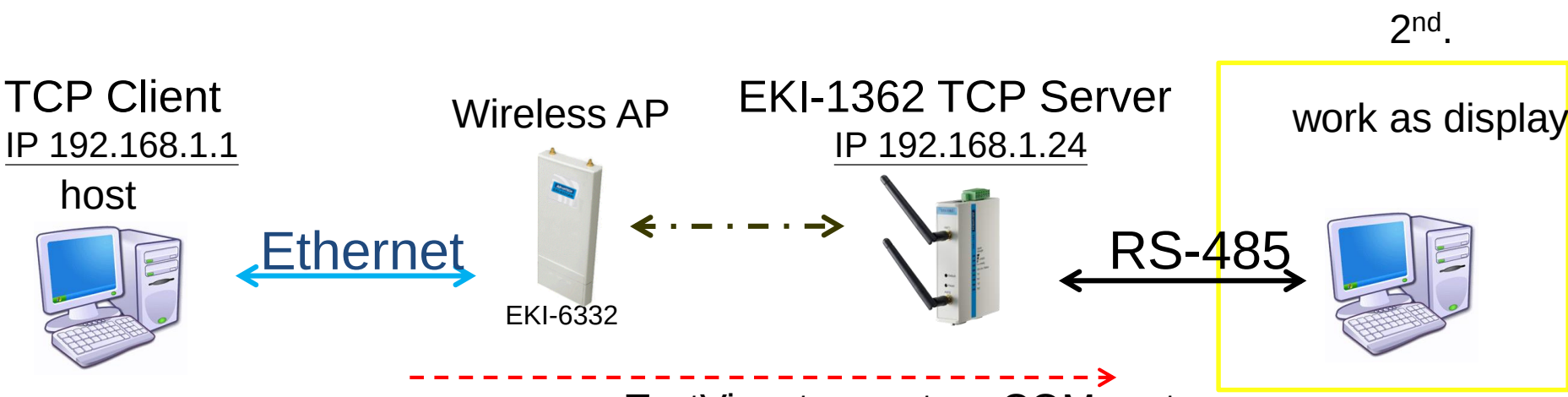

use TestView to create a TCP Client

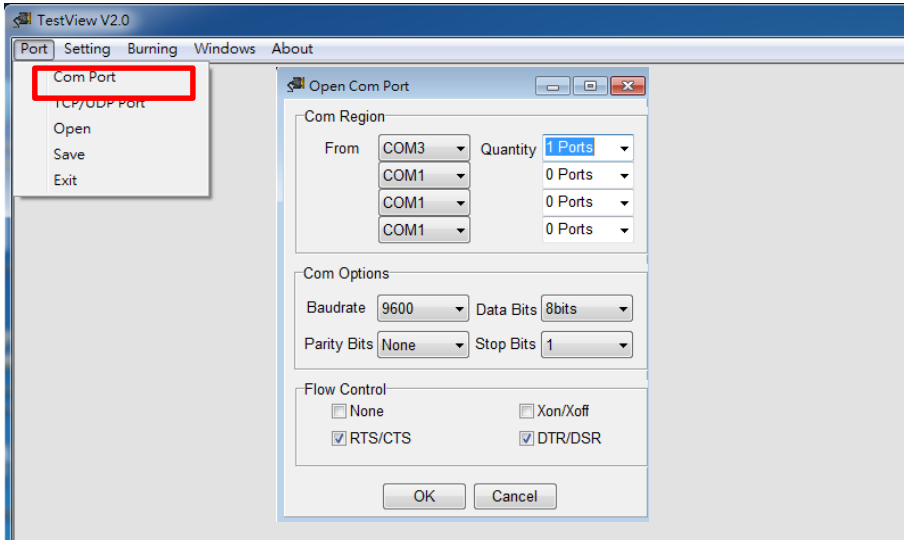


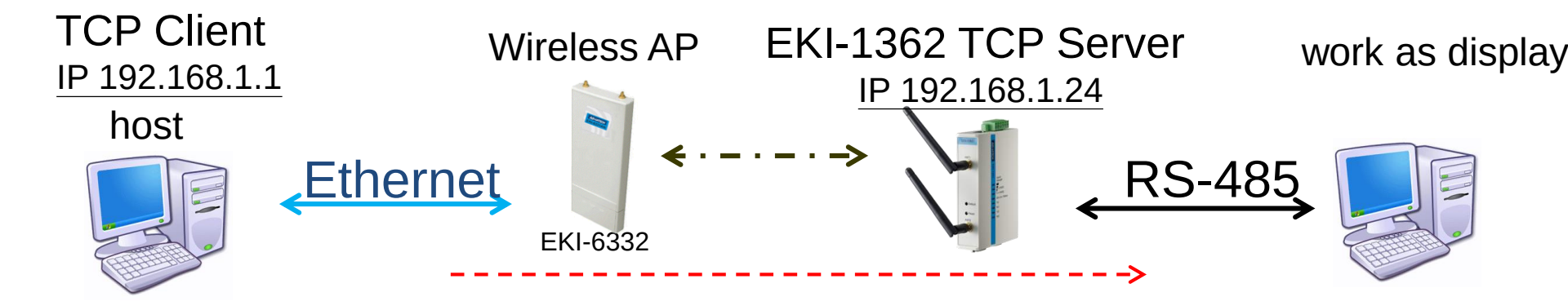

IP address: TCP Server IP (device server)

Start Port: TCP Server listen Port (device Server)

# USDG Server Mode
## Test by TestView

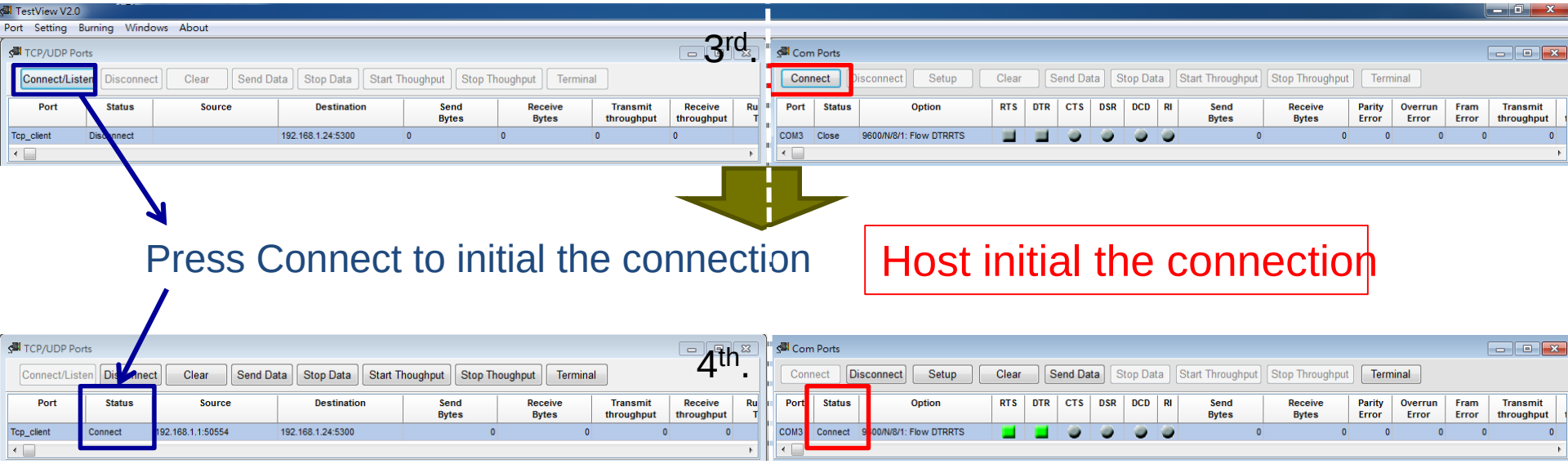





use TestView to create a TCP Client

use TestView to create a COM port




Press Connect to initial the connection

Host initial the connection

TCP Client
IP 192.168.1.1
host

Ethernet

Wireless AP

EKI-6332

EKI-1362 TCP Server
IP 192.168.1.24

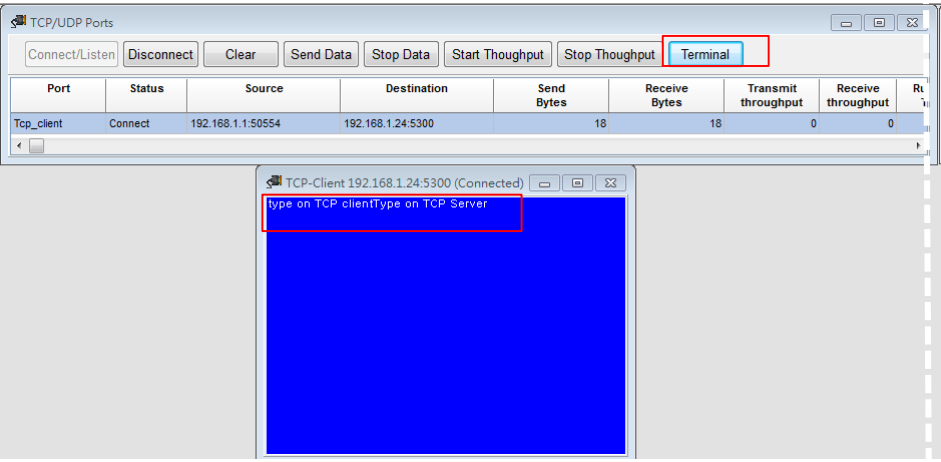
RS-485

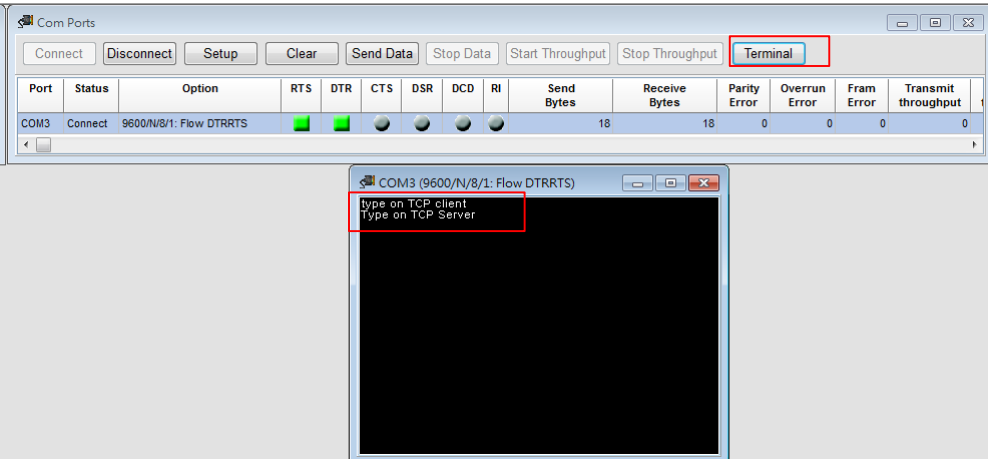
work as display

use TestView to create a TCP Client

use TestView to create a COM por

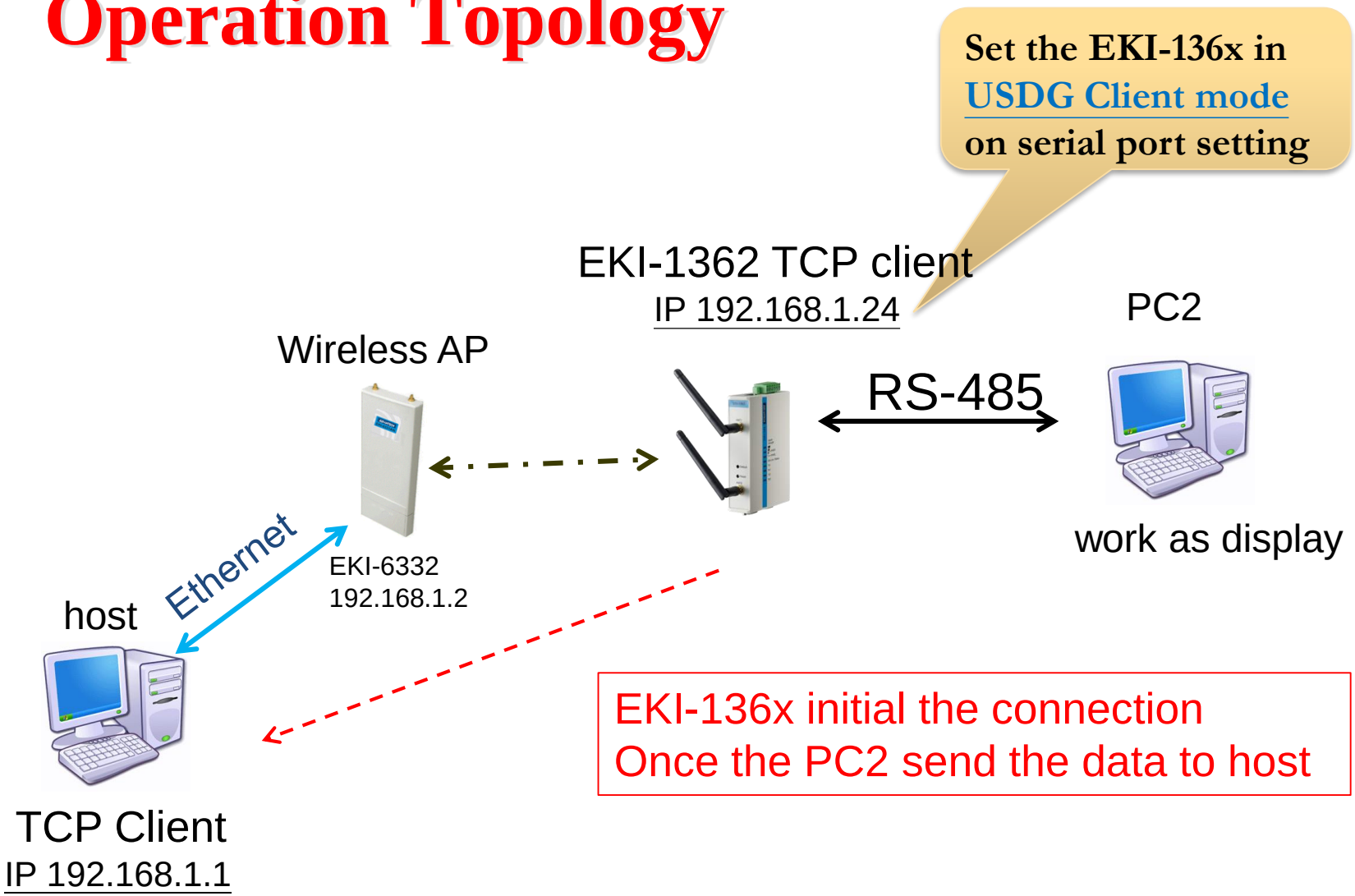
after starting connection, data can be sent by both side



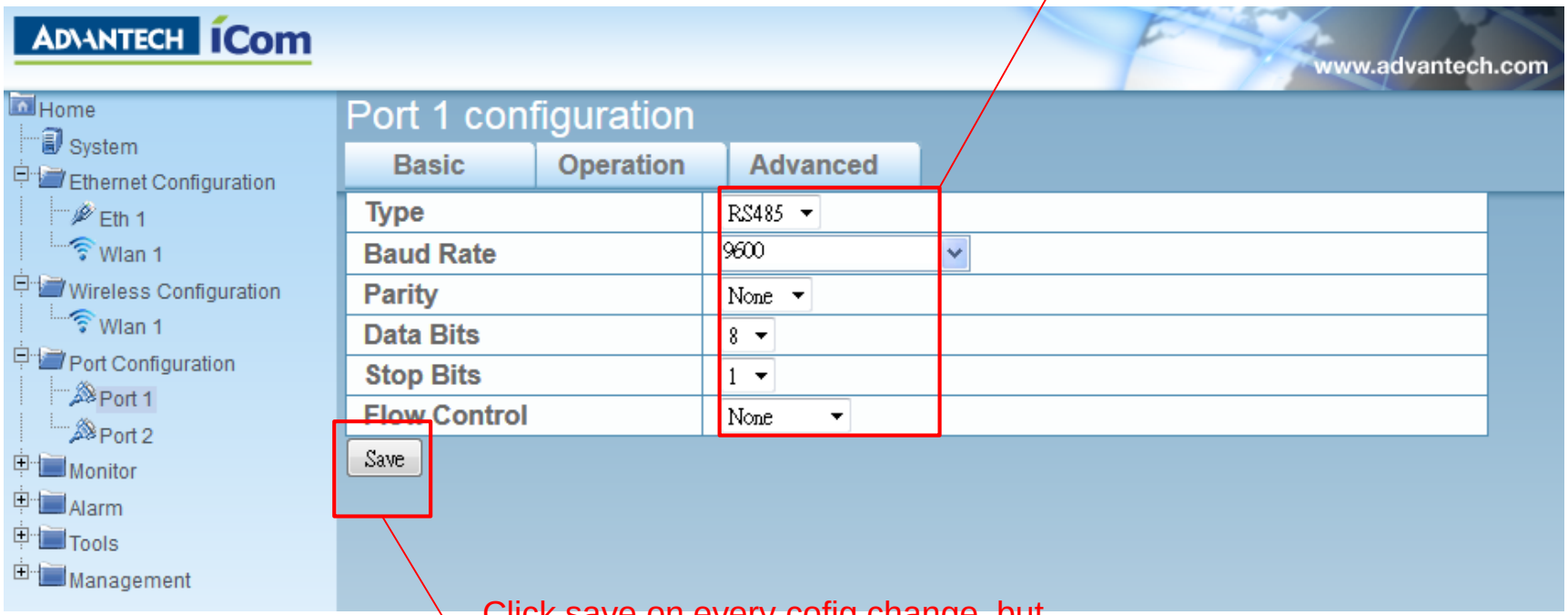



# Test USDG Client Mode by TestView

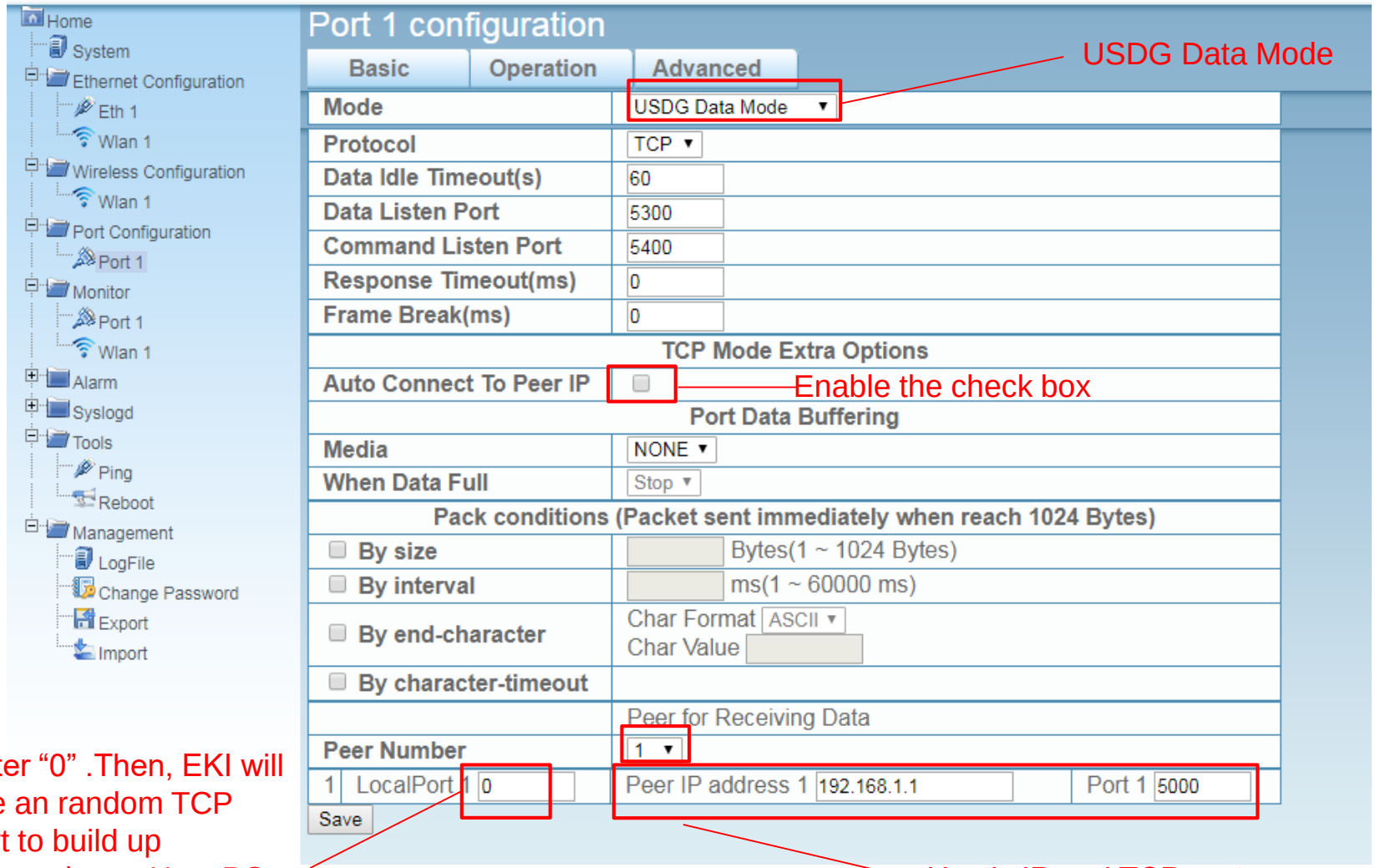
# USDG Client Mode
## Operation Topology



# Serial Port Setting (1/2)



# Serial Port mode setting (2/2)
# USDG client mode

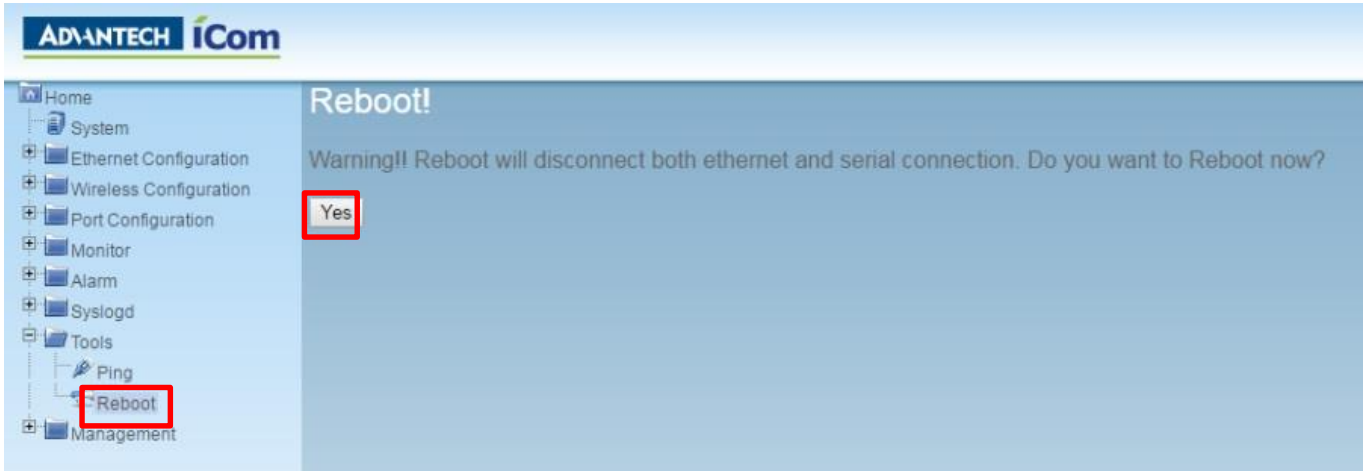



Enter “0” .Then, EKI will use an random TCP port to build up connection to Host PC

Host’s IP and TCP port

# Reboot the EKI-136x device

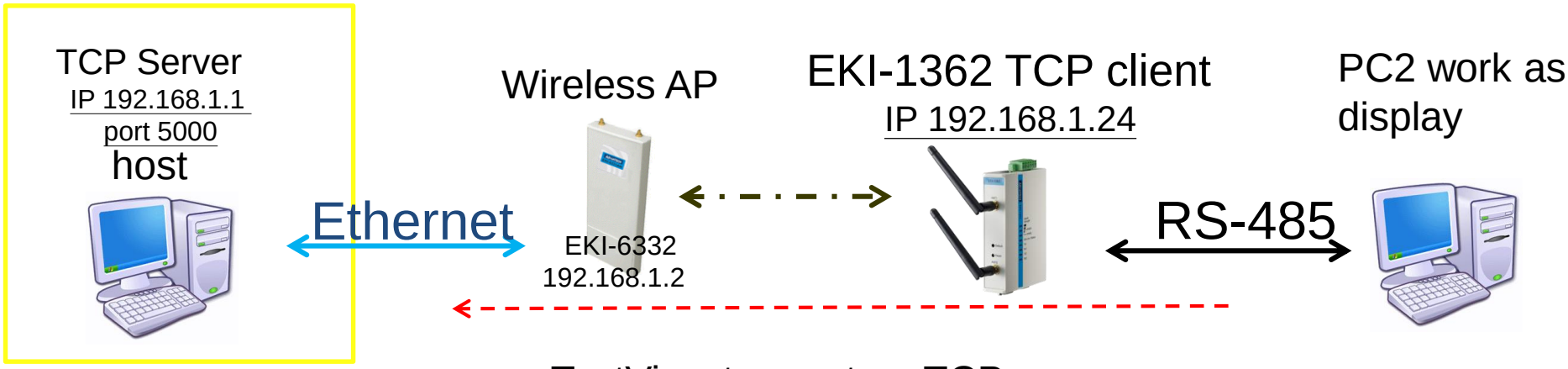
Step 1 :Reboot device after all setting done



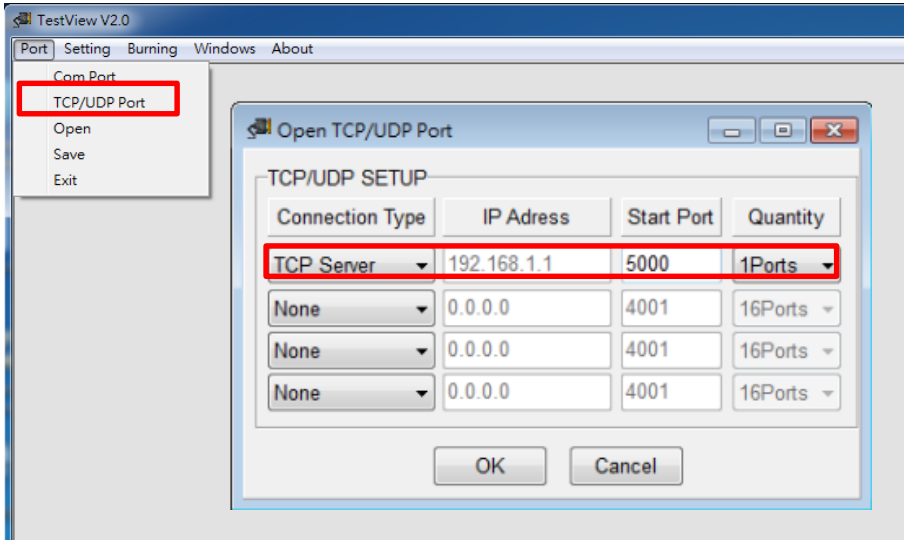
# USDG Client Mode

## Test by TestView

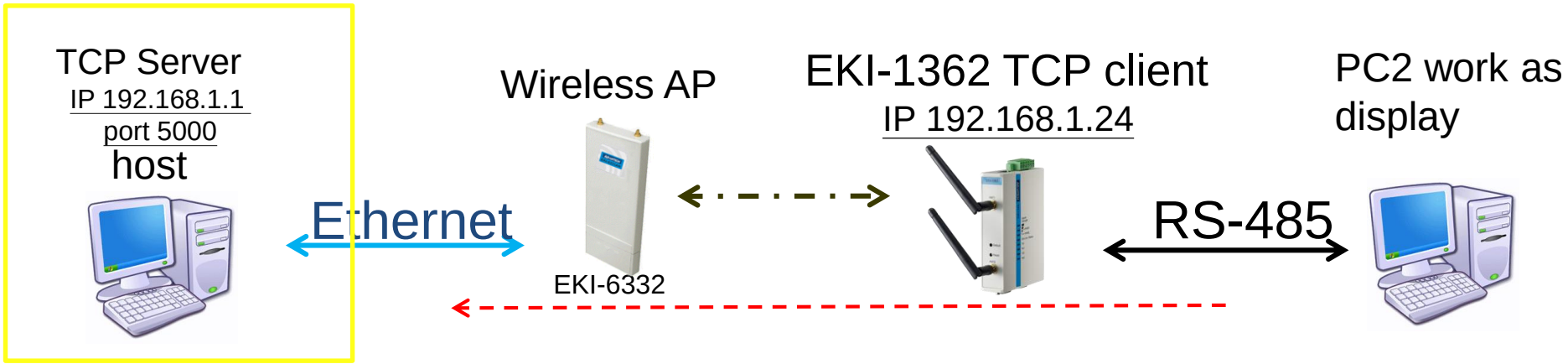
1st.



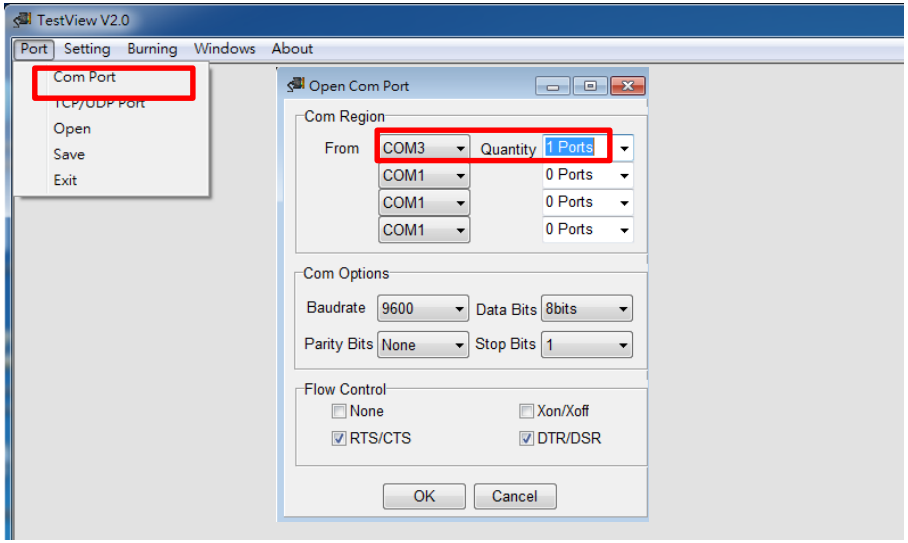

use TestView to create a TCP server



# USDG Server Mode
## Test by TestView




use TestView to create a COM Port on PC2



TCP Server
IP 192.168.1.1
port 5000
host

Ethernet

Wireless AP

EKI-6332

EKI-1362 TCP client
IP 192.168.1.24

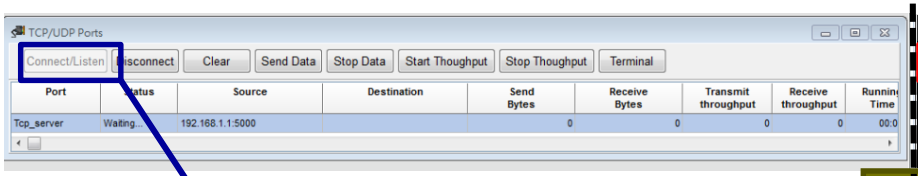
RS-485

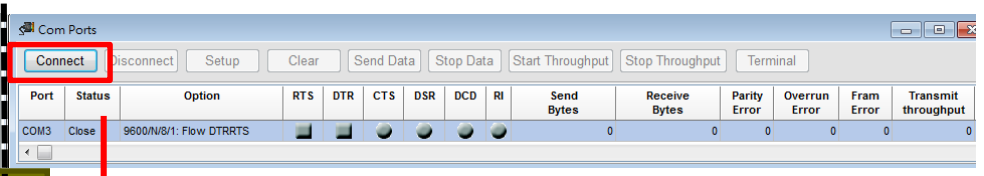
PC2 work as display

use TestView to create a TCP Client

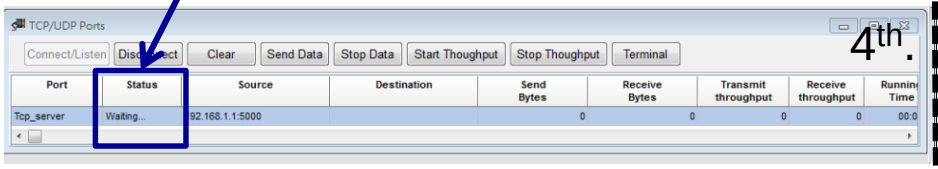
3rd.

use TestView to create a COM port

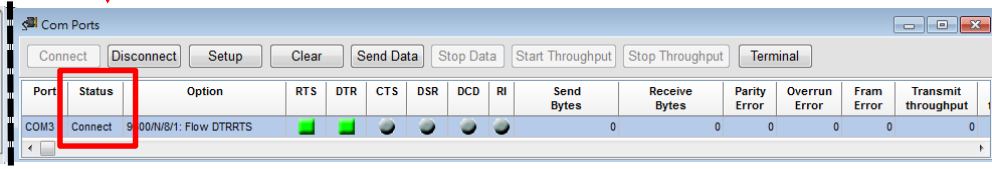


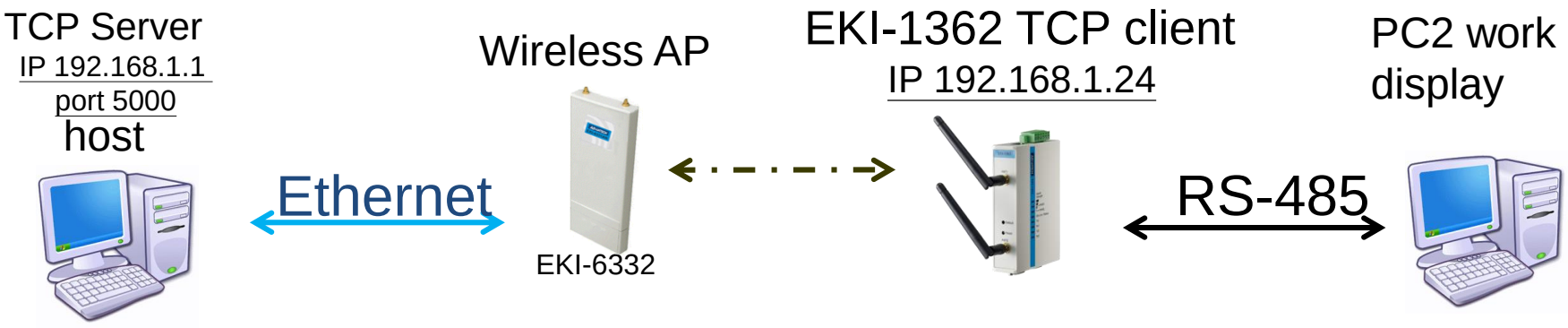




Press “Connect button” and
See the TCP Server is waiting for connection

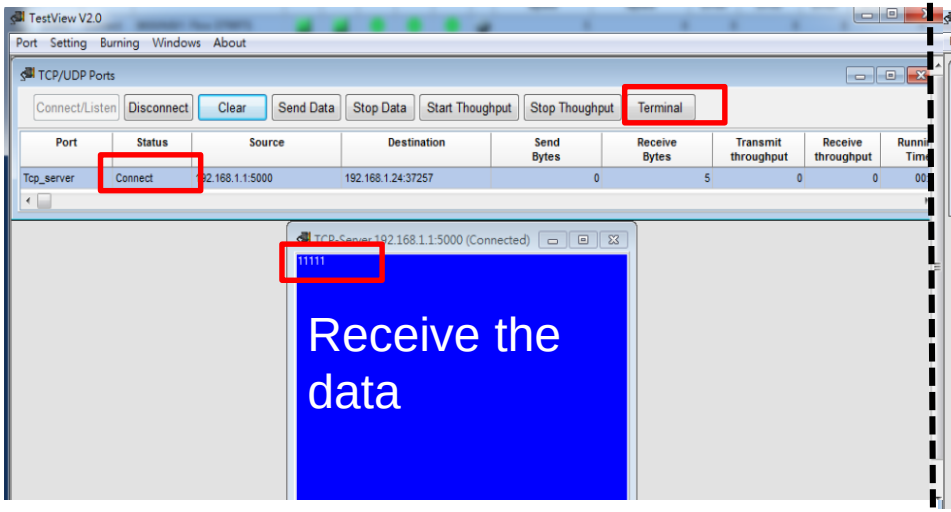


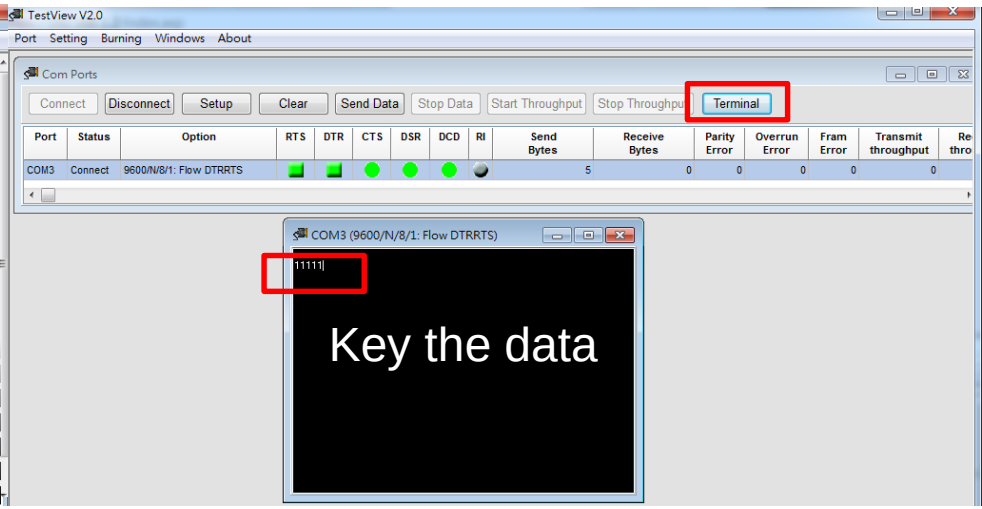

4th.






Once the PC2 starting sending data, EKI will make the connection to Host PC




Enabling an Intelligent Planet