

Cloud6 2x2 Wallplate

Cloud Managed Wi-Fi 6 Wall-Plate Access Point (ECW215)

Introduction

This Quick Start Guide is designed to guide you through the installation of the **Cloud6 2x2 Wallplate** Access Point, model **ECW215**, including hardware mounting and configuration.



Cloud6 2x2 Wallplate

Cloud Managed Wi-Fi 6 Wall-Plate Access Point

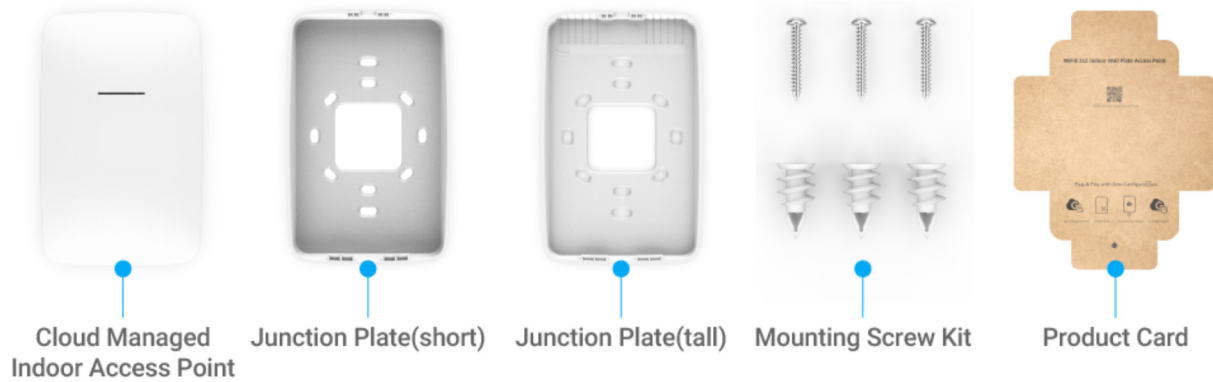
Model: ECW215

- Wi-Fi 6 technology for high-performance Wi-Fi in high-density, multi-device environments.
- Two spatial streams support up to 1,200 Mbps (5GHz) & 574 Mbps (2.4GHz).
- LAN1 & LAN2 support 802.3af/at PoE input for flexible installation over 100 meters.

Content Quick Links

- [Hardware Overview](#)
- [Hardware Mounting](#)
- [Configure with EnGenius Cloud](#)

Package Contents



Package Content

System Requirements

The EnGenius Cloud is primarily accessible with a web browser or mobile app. Before signing up for the EnGenius Cloud Service or logging on to the EnGenius Cloud Platform to manage your network, ensure that you've downloaded the right app and used the supported browser.

Mobile App:

EnGenius Cloud To-Go (iOS/ Android supported)

[Download the Cloud To-Go mobile app here](#)



Web Browser:

- Google Chrome (57.0.2987.110 and later)
- Microsoft Edge (80.0.361.103 and later)

- Mozilla Firefox (52.0 and later)

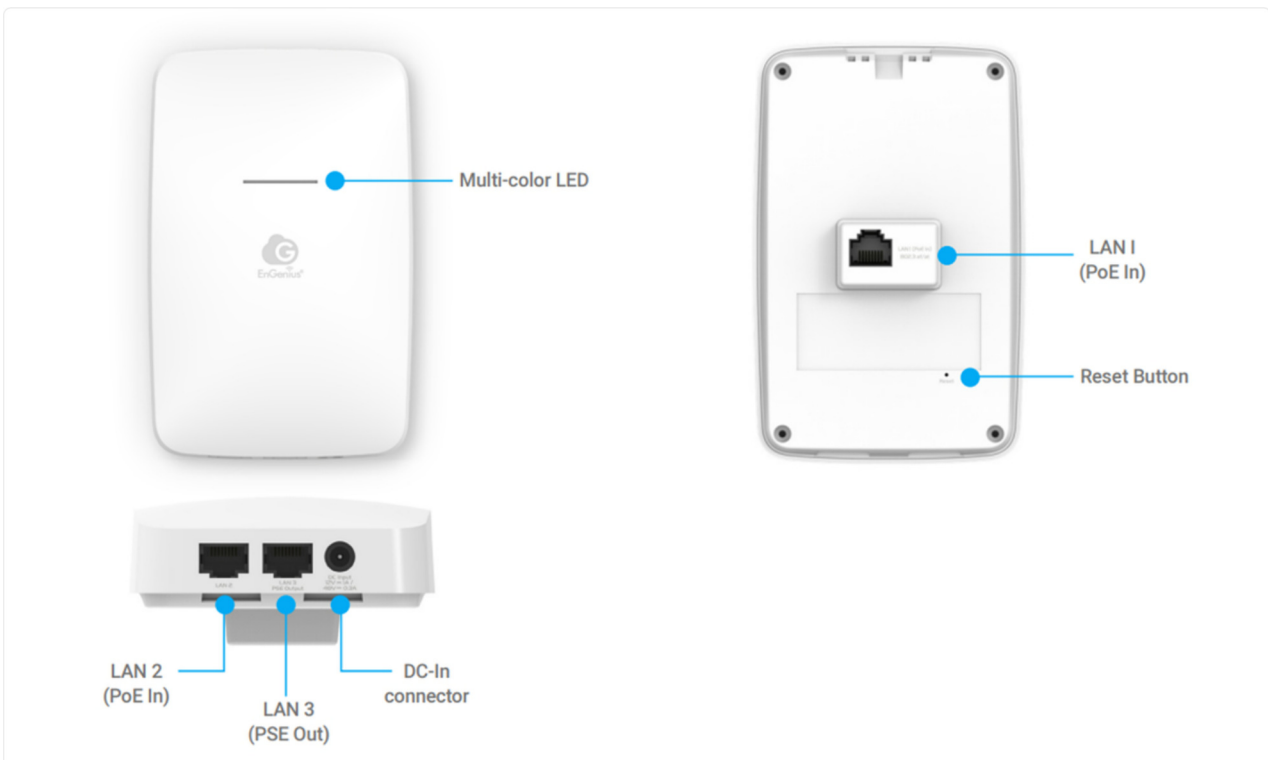
Network Requirements

Before you get started, please make sure your network environment is DHCP-enabled. EnGenius Cloud Access Points (ECW series) are default assigned an IP address dynamically by the DHCP server.

i If you encounter issues with IP address assignment, you may want to change your IP assignment from "**DHCP mode**" to "**Static IP**". Please check the "[User Manual: Login to Local Access Page](#)" for more details.

Hardware Overview

Ports





Reset Button:

- **Reset to default:** Press and hold the reset button for over **10** seconds, and the LED will start **Fast Flashing** (0.2 sec). Then, the device will be reset to factory default settings.

LEDs

Status	LED Color
Connecting to Cloud	Green Flashing (0.5 Sec)
Cloud Connected	Blue Solid on
Firmware Upgrading	Green Flashing (1 Sec) <---> Blue Flashing (1 Sec)
Reset to Default	Green Fast Flashing (0.2 Sec)
AP Locating Mode	Blue Flashing (1.5 sec on -> 0.5 sec off)

Device status and LED behavior



ECW215 only has one LED indicator with two colors (Green / Blue)

Hardware Mounting

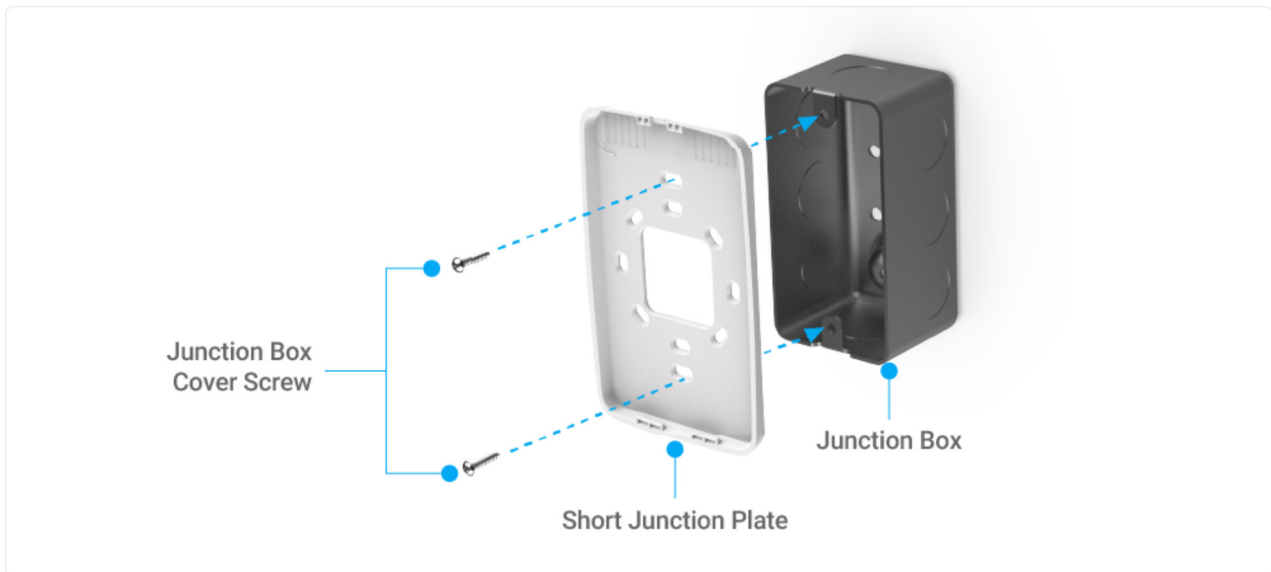
The access point is designed for wall-mounting and can be deployed in three ways:

- [Attaching to a junction box](#)
- [Attaching to a Wall with anchors](#)
- [Attaching to a wall without anchors](#)

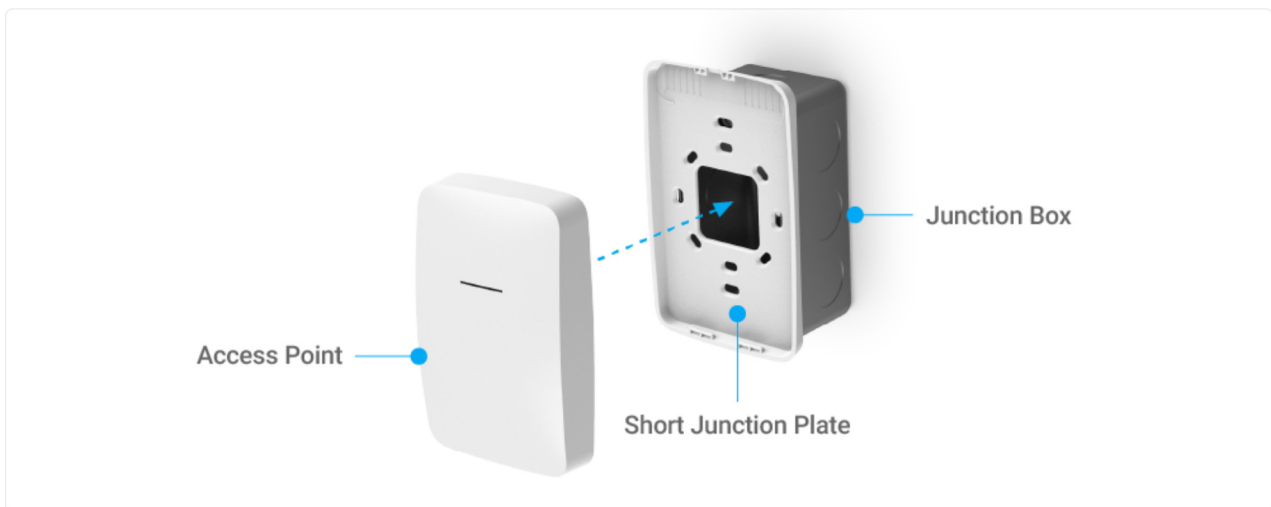
Please perform the steps for the appropriate installation:

Attaching to a Junction Box

1. Remove the cover plate of your junction box.
2. Align the **Short Junction Plate** to the junction box and use the original junction box cover screws to fasten the **Short Junction Plate** to the box.

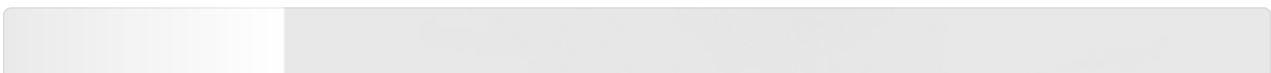


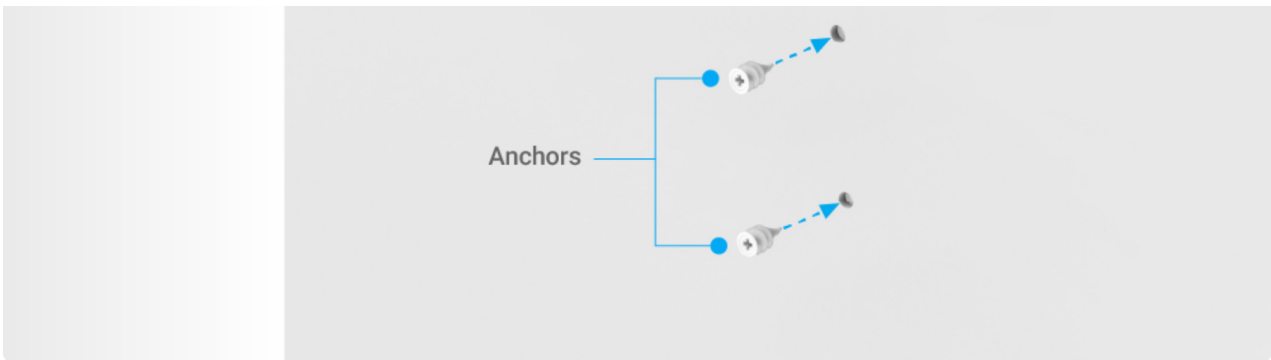
3. Attach the **Access Point** to the **Short Junction Plate**.



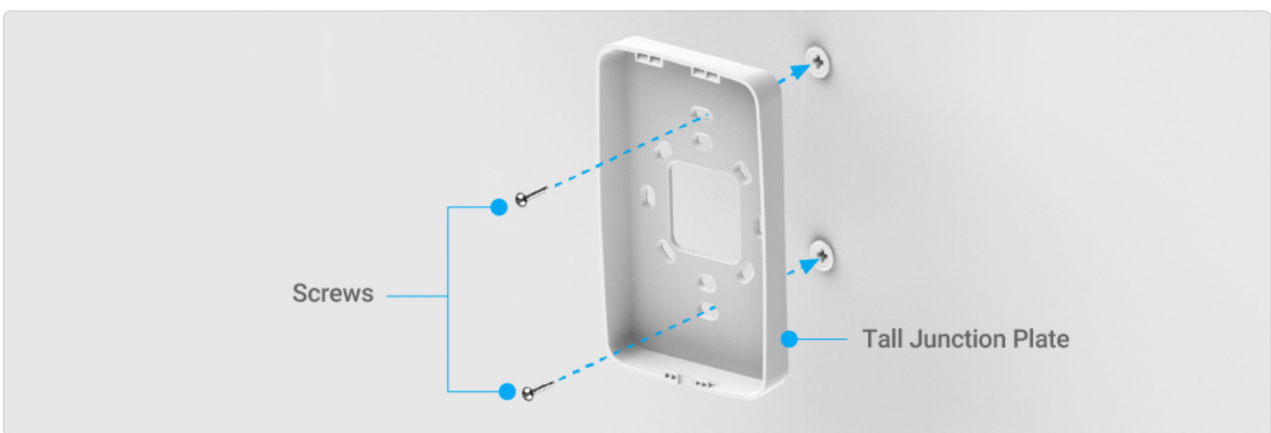
Attaching to A Wall with Anchors

1. Mark the locations of the two mounting holes on the wall surface.
2. Drill two holes with 6.5mm diameter and 35mm depth on the marks.
3. Insert the **Anchors** into the drilling holes until they are flush with the wall.

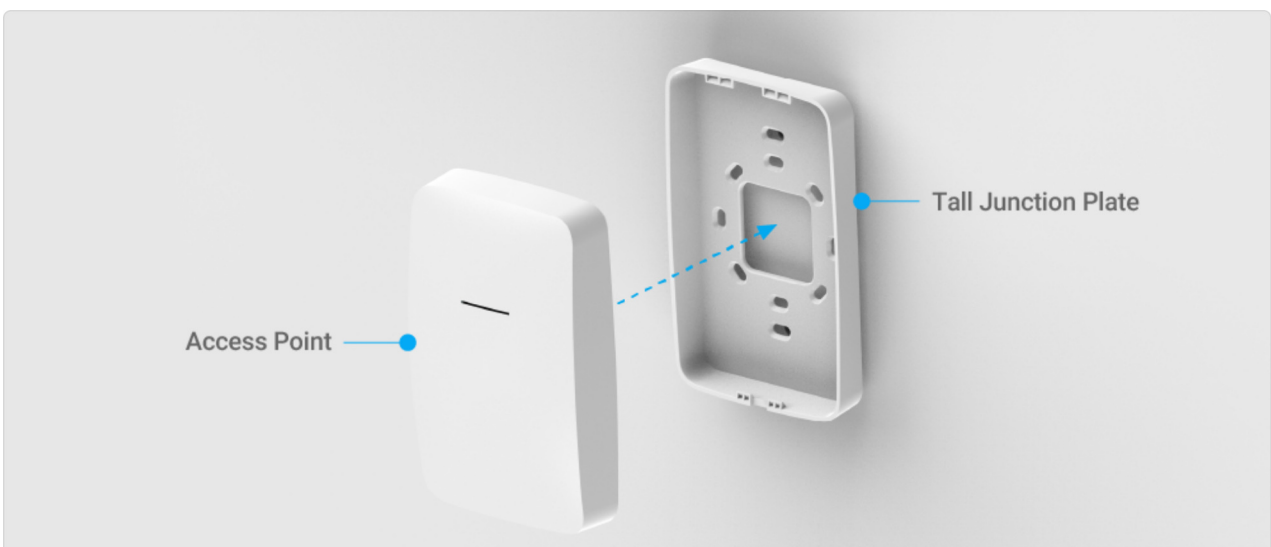




4. Align the **Tall Junction Plate** over the drilling holes and then tighten the screws into the **Anchors**.



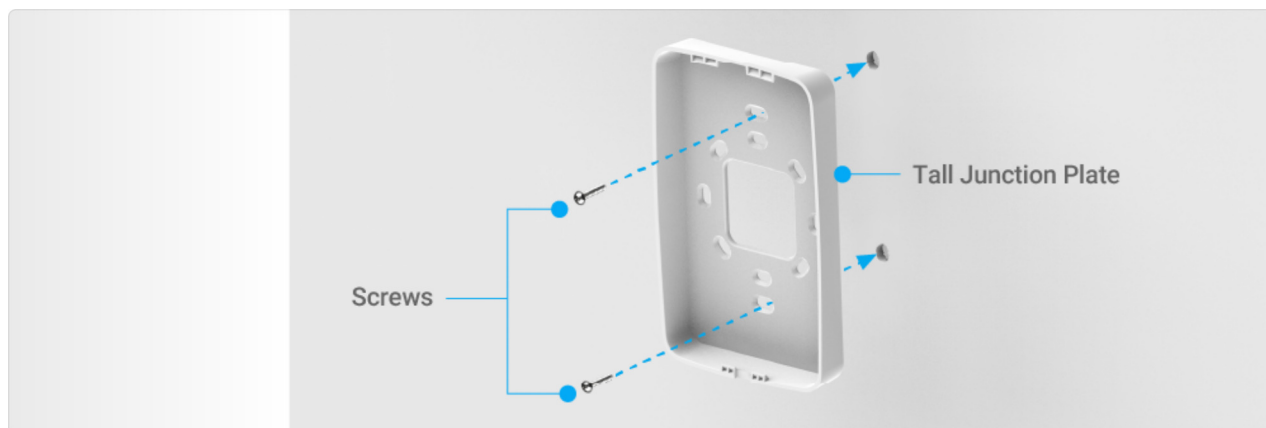
5. Fasten the **Access Points** to the **Tall Junction Plate**.



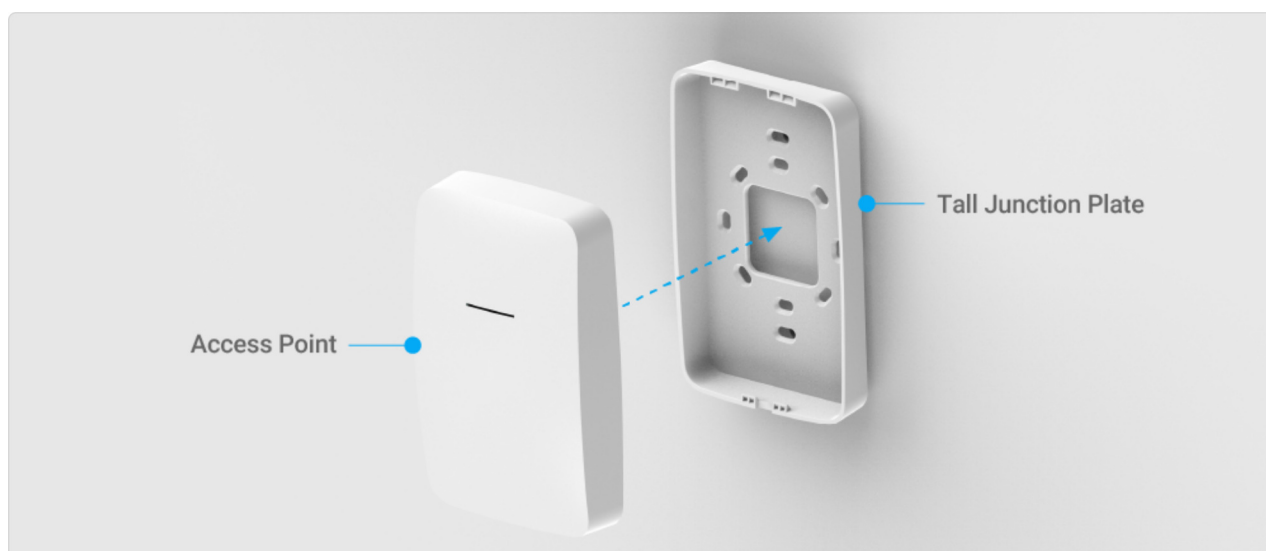
Attaching to A Wall without Anchors

1. Mark the locations of the two mounting holes on the wall surface.

2. Align the **Tall Junction Plate** over the drilling holes and then tighten the screws into the holes.



3. Fasten the **Access Points** to the **Tall Junction Plate**.



Configure with EnGenius Cloud

Step1: Register Device and Assign to Network

You can register the device either by **Cloud To-Go mobile app** or the **EnGenius Cloud platform**.

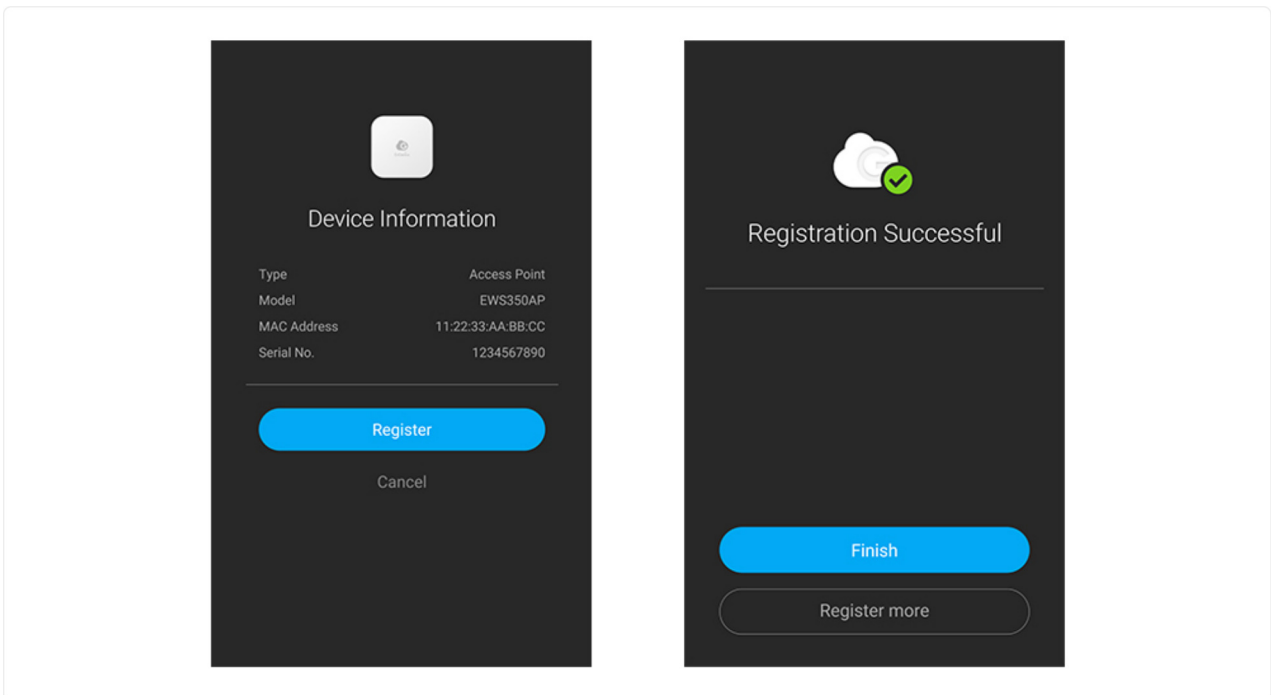
[Cloud To-Go Mobile App](#)

1. Open and log in to the **EnGenius Cloud To-Go** mobile app.
2. Scan the QR code on the back of the device via the app.



Scan QR-code for device registration


3. If the camera successfully scans a QR code, the app will display the device Information. You could tap "**Register**" to complete the Registration.

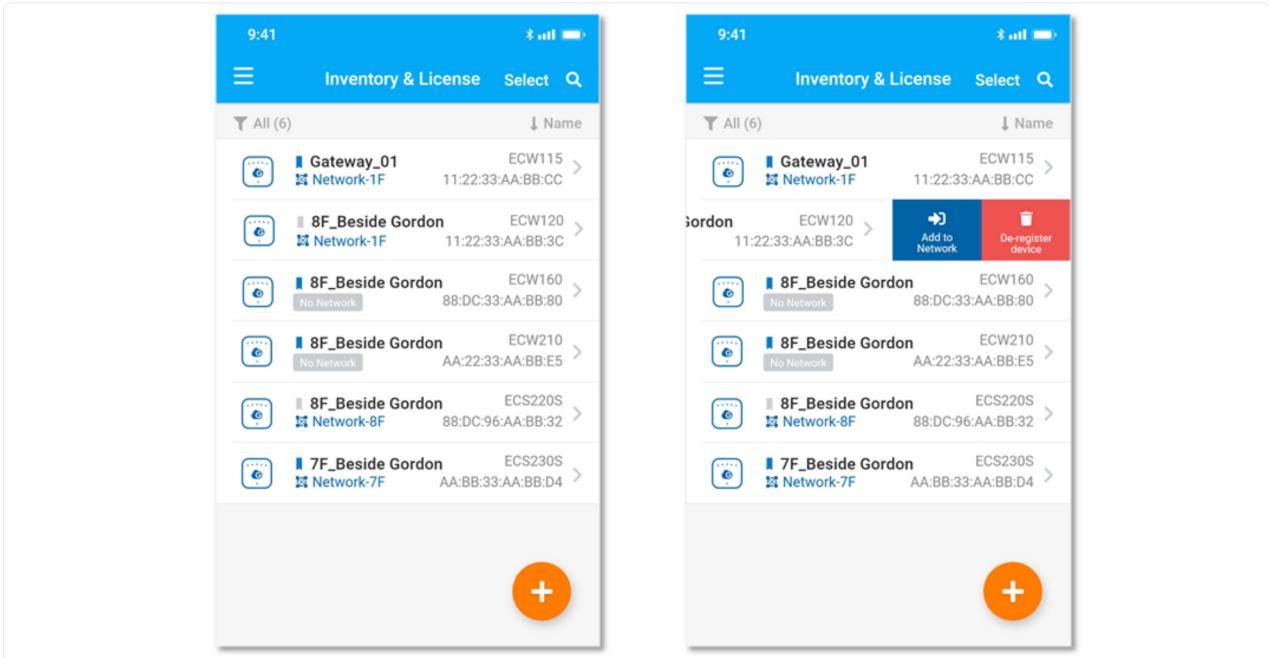


Device registration

4. Registered devices will be shown on the **Inventory&License** page. Slide left the device

and click "Add to Network" add the device to your personalized Network.

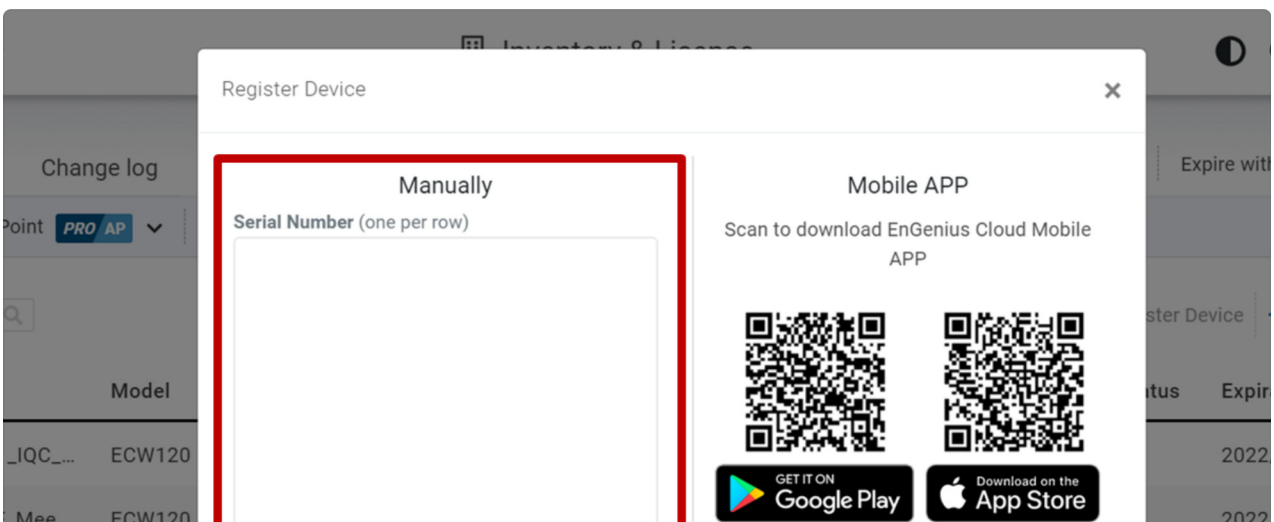
 **Network:** Management domain shared same configurations within EnGenius Cloud.

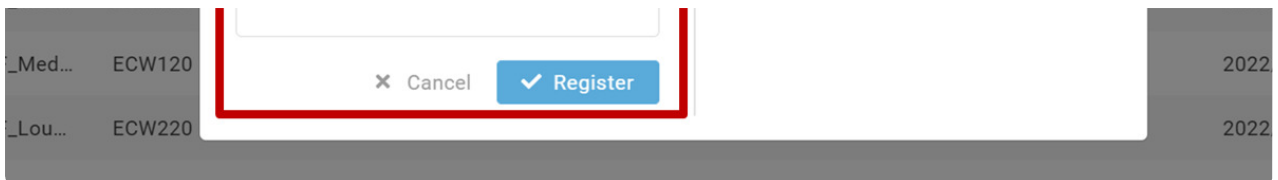


Assign device to a managed Network

EnGenius Cloud Platform


1. Log in to the **EnGenius Cloud Platform**: <https://cloud.engenius.ai/>.
2. Go to the *home > Inventory&License* page and click "Register Device".
3. Enter the **Serial Number** of the device(s) for device registration. Please refer to "[User Manual-Registering Devices to Organization](#)".

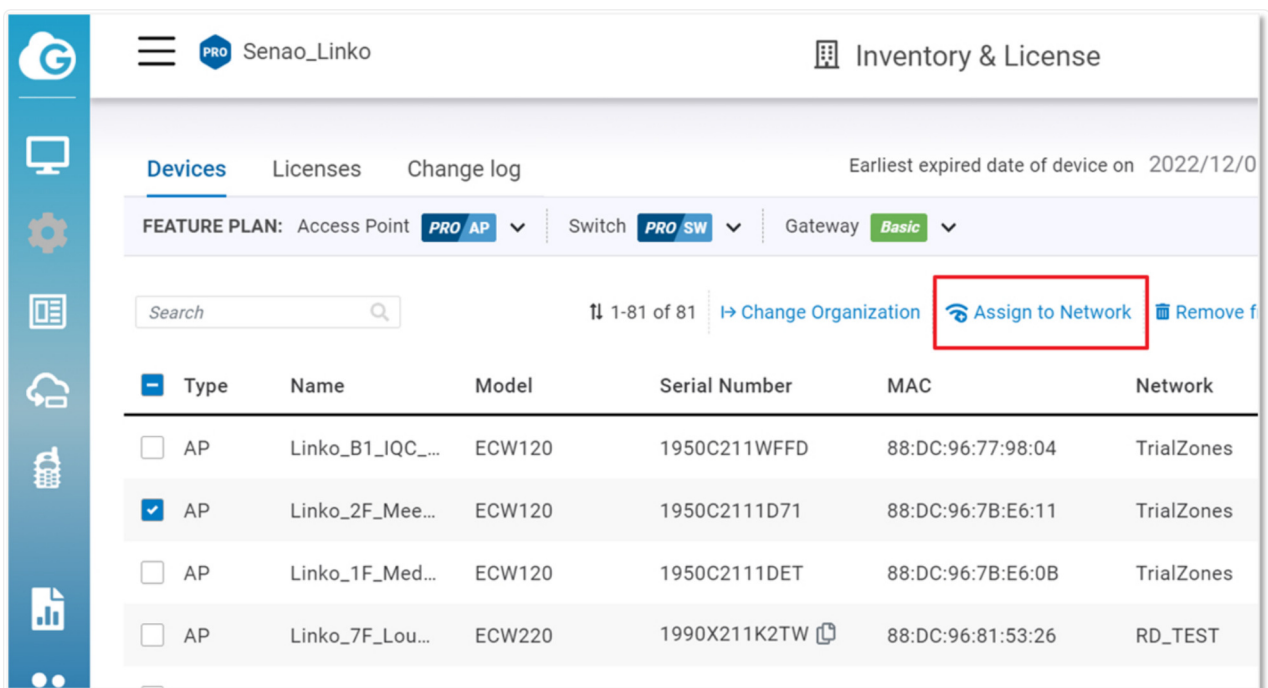




Register device(s) with device's Serial Number

4. Select the registered device and click "**Assign to Network**" to add the device to your personalized Network.

 **Network:** Management domain shared same configurations within EnGenius Cloud.



Assign selected device(s) to a managed Network

Step2: Power On Device

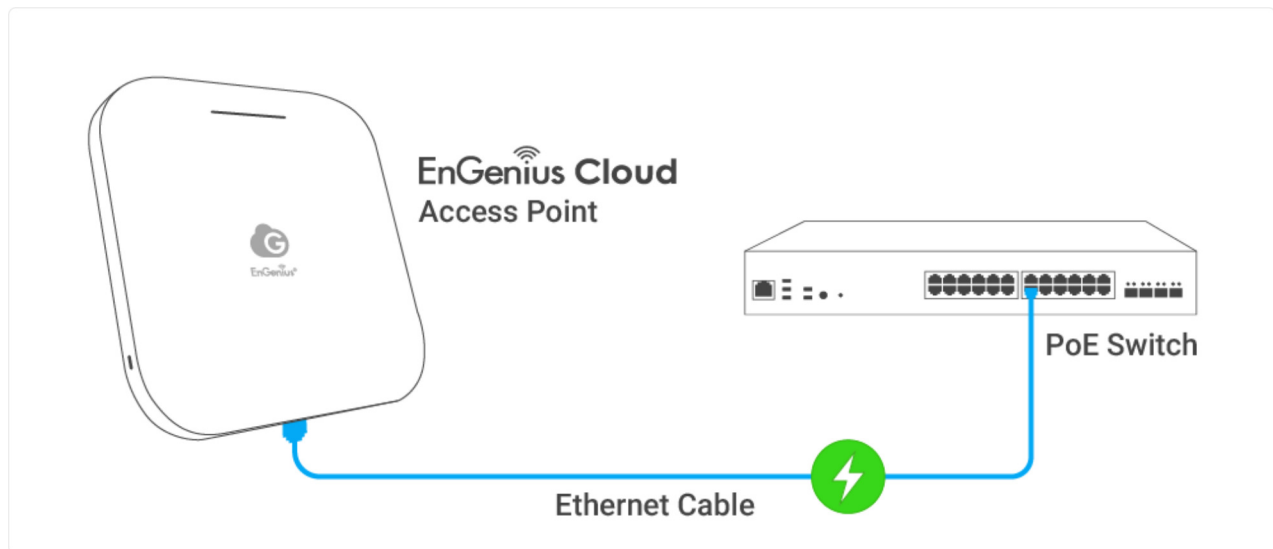
The EnGenius Cloud AP devices can be powered by any of the following:

- EnGenius Cloud PoE Switch or 802.3af/ 802.3at PoE+ compliant Switch
- EnGenius PoE adaptor
- Power Adapter (DC 12V power input)

⚠ Do not use both power sources at the same time.

Connecting to a PoE Switch

Connect the Ethernet cable from the EnGenius Cloud AP directly to the PoE port of the PoE switch.



AP is powered by a PoE Switch

⚠ LAN 1/ LAN 2 (PoE In)

You can only choose one port (LAN1 or LAN2) to power up the ECW215 access point.

LAN 3 (PSE Out)

With 802.3at PoE+ in, you can use the LAN3 port as PSE Out to provide 50V DC, 0.19A, and 9.8W(MAX) to a powered device.

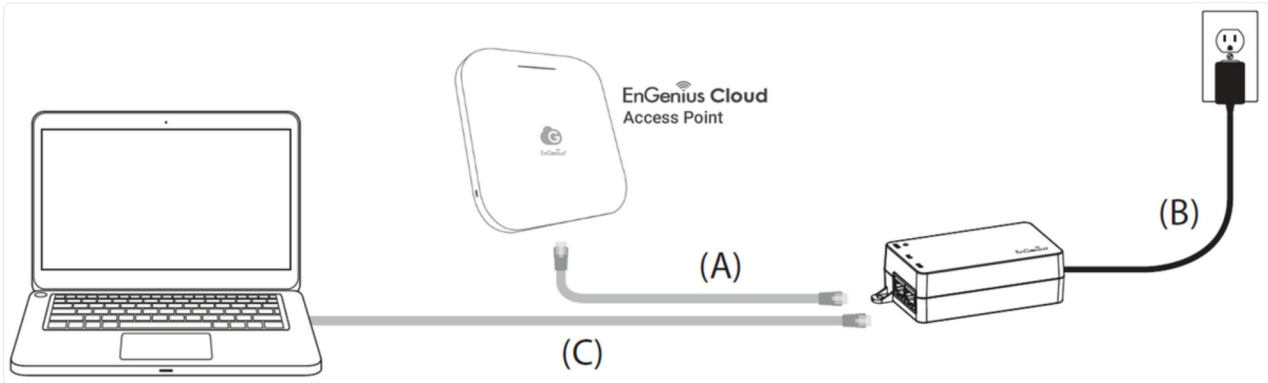
Powered with a PoE Adapter

(A) Connect one end of the Ethernet cable into the LAN (PoE) port of EnGenius AP and the other end to the PoE port on the PoE Adapter.

(B) Connect the power cord with the PoE Adapter and plug the other end into an electrical outlet. (C) Connect the second Ethernet cable into the LAN port of the PoE Adapter and the

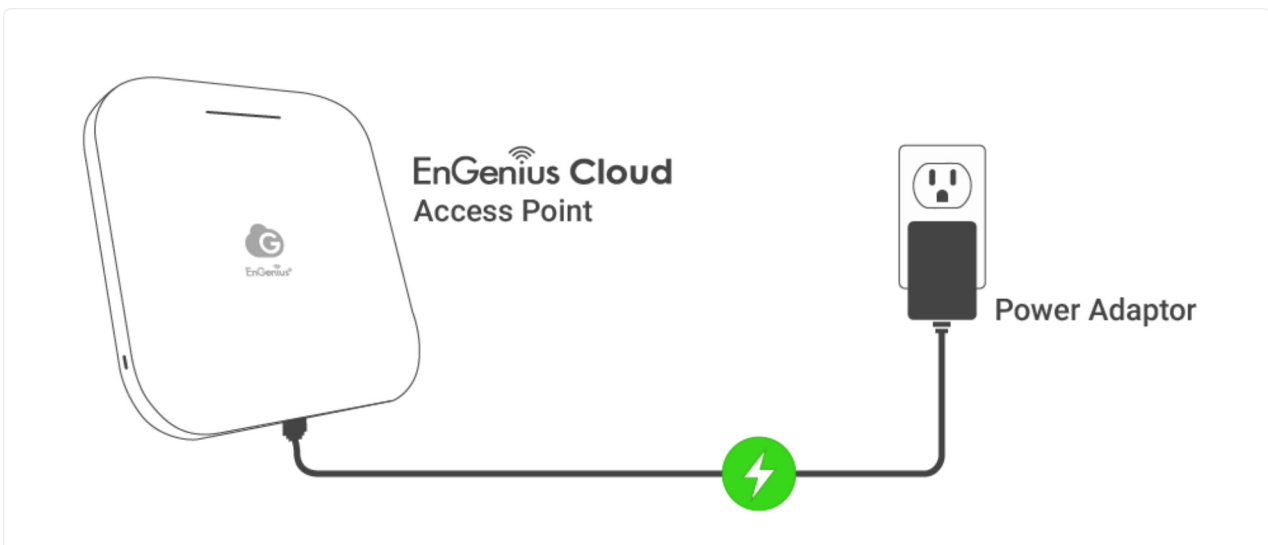
other end to the Ethernet port on the computer.

 Please ensure to use cat5/cat5e UTP/STP RJ45 Ethernet cables.



Powered with a Power Adapter

Connect the Power Cord to the adapter, and then plug the Power Cord into the power outlet.



AP is powered with a power adapter

Step3: Connect to the EnGenius Cloud

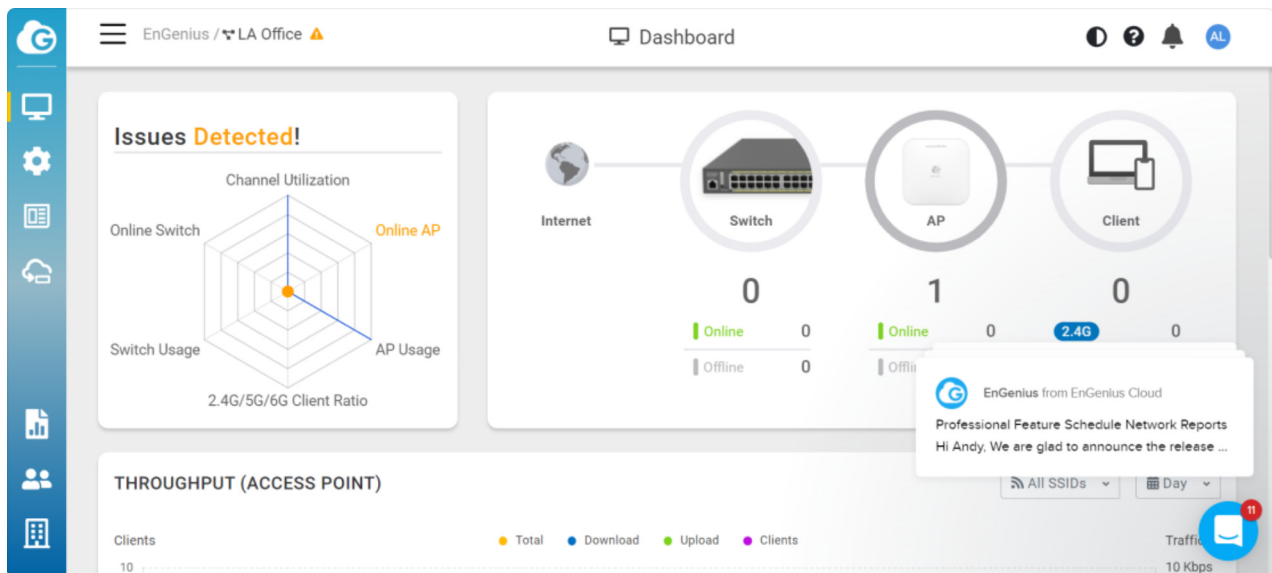
Once the device is powered on and ready to connect to the Internet, the **LED indicator** will stay **Solid On**, which means the device is now connected to the EnGenius Cloud Platform. It will automatically download the default configuration settings from EnGenius Cloud for

automated provisioning.

- ⓘ When the Access Point is connected to the EnGenius Cloud Platform for the first time, it will automatically check the latest firmware version available. If the **firmware upgrade** is required, it might take **8~10 minutes** to complete the process. The **LED** indicator will be **Flashing (0.5 sec)** till the process is finished.

Step4: Manage with the EnGenius Cloud

Log in to the [EnGenius Cloud platform](#) to configure detailed settings. For more information, please refer to [User Manual](#).



EnGenius Cloud Dashboard

Troubleshooting

If your AP cannot be managed by the EnGenius Cloud Platform, there might be a problem with connecting to EnGenius Cloud.

To troubleshoot the connection issue, you may log in to the **Device Local Access** page:

1. Use your client device (e.g., a laptop, mobile device, or tablet) to find the SSID: **"EnMGMTxxxx"** (xxxx is the last four digits of MAC - MAC would be found on the back

of the device) and connect to it.

2. Under your web browser, enter the URL: <http://EnGenius.local> or <http://192.168.1.1> to access the device's user interface.
3. You can review the device status after logging into the AP with the default admin account/password (admin/admin).
4. Check the information on **Network Connectivity** and take action if necessary.

The screenshot displays the EnGenius Local Status Page. At the top left is the EnGenius logo and a 'Local Status Page' tab. A language dropdown menu is set to 'English'. The main heading is 'Network Settings', with sub-links for 'Device Status' and 'Local Setting'. There are 'Reboot' and 'Reset' buttons. The 'Device Overview' section contains a table with the following data:

System Name	ECW336-772C	IP Address	192.168.8.225
Model	ECW336	MAC Address	88:DC:97:01:77:2C
Serial Number	2230E4T1DCRC	Current Firmware	v1.8.81

The 'Registration Overview' section shows:

Registration Server	EnGenius Cloud
Date of Registration	6/25/2024, 3:50:08 PM
Last Update Time	6/27/2024, 3:23:16 PM

The 'Network Connectivity' section shows three status items:

- Local Network: ✔ **Connected to local network successfully**
 - IP Address : 192.168.8.225
 - Gateway : 192.168.8.1
 - Get from LAN DHCP
- Device to Internet: ✔ **This AP is connected to the Internet**
- Management Status: ✔ **This AP is successfully connected to the EnGenius Cloud**

ECW AP's Local Access Page

[Change IP Assignment Settings](#)

By default, the EnGenius Cloud Access Point (ECW series) is assigned an IP address dynamically by the DHCP server. If you encounter issues with IP address assignment, please double-check the IP setting, including IP address, subnet mask, gateway, proxy, and management VLAN. If the issue still exists, you may change your IP assignment from "**DHCP**