Cloud6 4×4 Outdoor

Cloud Managed Wi-Fi 6 4 × 4 Outdoor Access Point (ECW270)

Introduction

This Quick Start Guide is designed to guide you through the installation of the **Cloud6 4×4 Outdoor** Access Point, model **ECW270**, including hardware mounting and configuration.

Cloud6 4×4 Outdoor

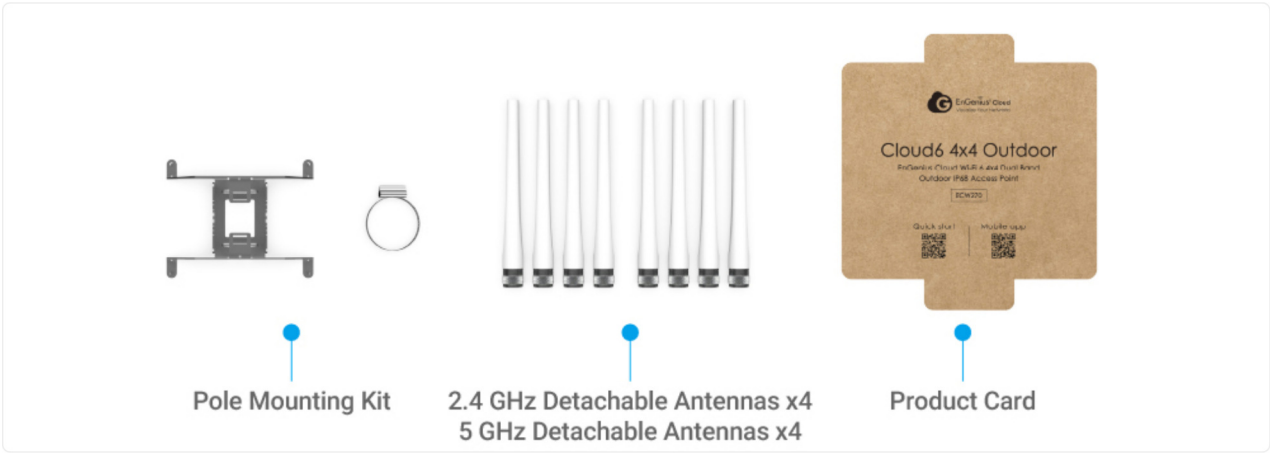
Cloud Managed Wi-Fi 6 4 × 4 Outdoor Access Point

Model: ECW270

- Wi-Fi 6 technology for high-performance Wi-Fi in high-density, multi-device environments.
- Four spatial streams support up to 2,400 Mbps (5GHz) & 1,200 Mbps (2.4GHz).
- Four (4) (4×4) detachable 2.4GHZ/5dBi and 5GHz/7dBi high-gain, N-type Omni-Directional antennas.

Content Quick Links

Package Contents



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)

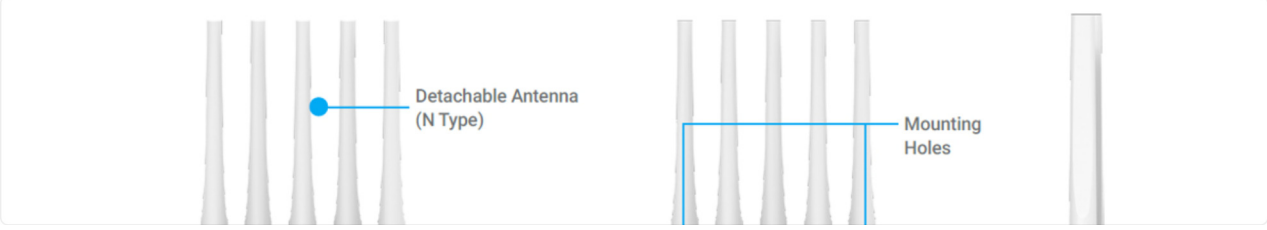
Network Requirements

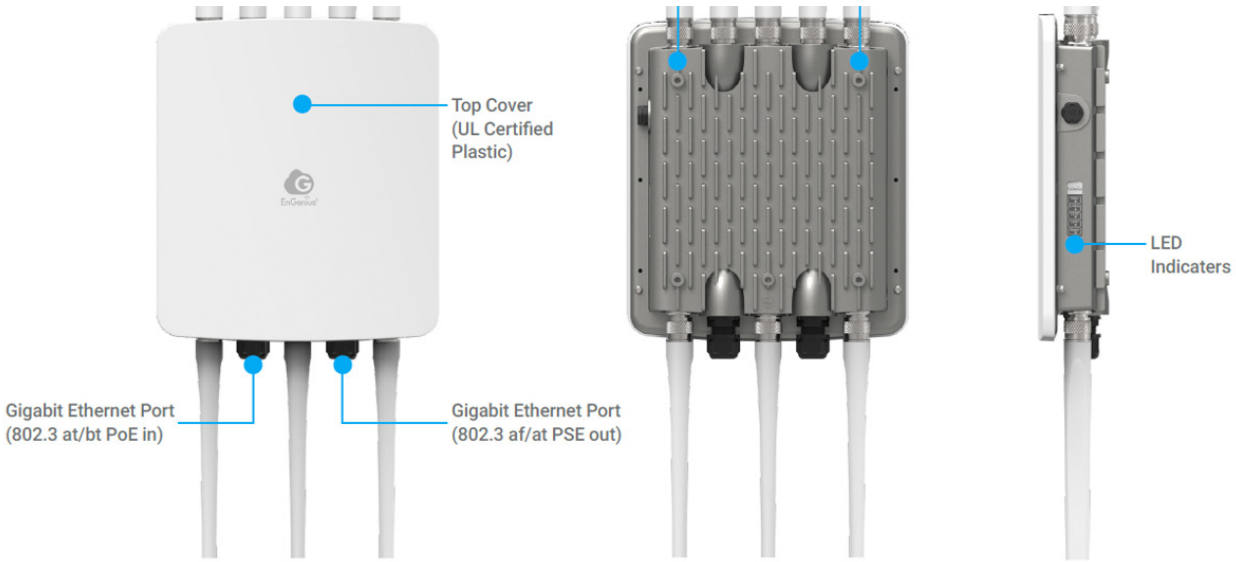
Before you get started, please make sure your network environment is DHCP-enabled. EnGenius Cloud Access Points (ECW series) are default assigned an IP address dynamically by the DHCP server.

> 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 by EnGenius PoE Adapter:

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

LEDs

Status	LED Color					LED Behavior
Connecting to Cloud	PWR (Orange)					Flashing (0.5 Sec)
Cloud Connected	PWR (Orange)					Solid On
LAN Connected	LAN1 (1G)			LAN1 (2.5G)		Solid On
	LAN2 (Orange)					Solid On
LAN Transmitting	LAN1 (1G)			LAN1 (2.5G)		Flashing
	LAN2 (Orange)					Flashing
2.4GHz Radio On	2.4GHz (Green)					Solid On
2.4GHz Transmitting	2.4GHz (Green)					Flashing
5GHz Radio On	5GHz (Green)					Solid On
5GHz Transmitting	5GHz (Green)					Flashing
Firmware Upgrading	PWR	LAN1	LAN2	2.4GHz	5GHz	Flashing (0.5 Sec)
Reset to Default	PWR (Orange)					Fast Flashing (0.2 sec)
AP Locating Mode	PWR	LAN1	LAN2	2.4GHz	5GHz	Flashing (1.5 sec on -> 0.5 sec off)

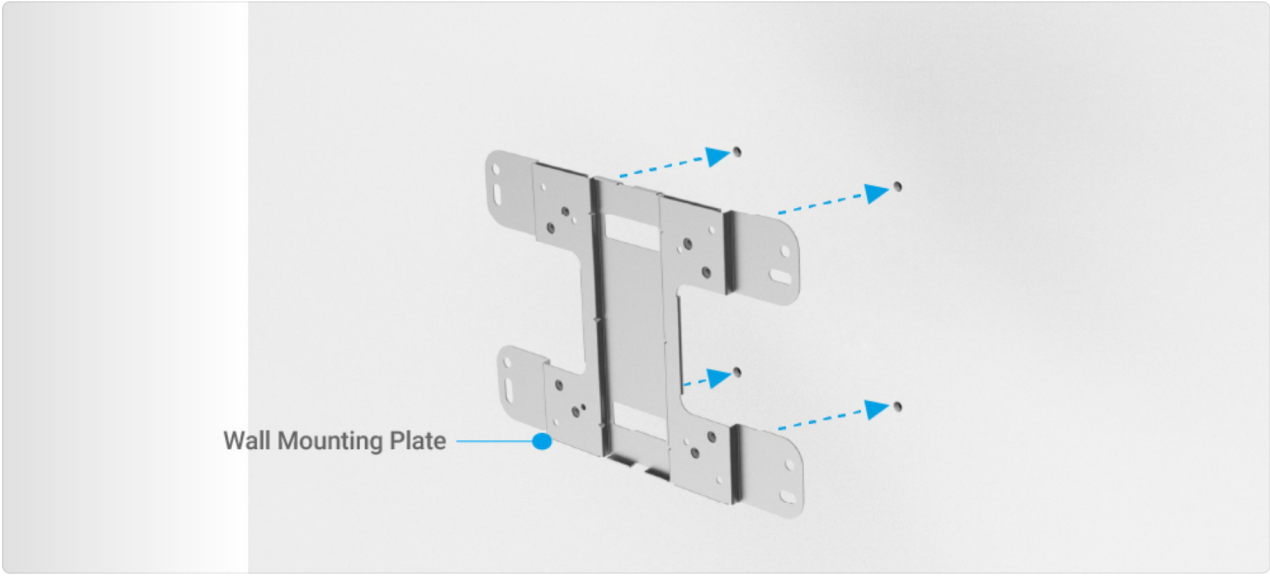
ECW270 has five LED indicators, **PWR/ LAN1/ LAN2/ 2.4GHz/ 5GHz**.

Hardware Mounting

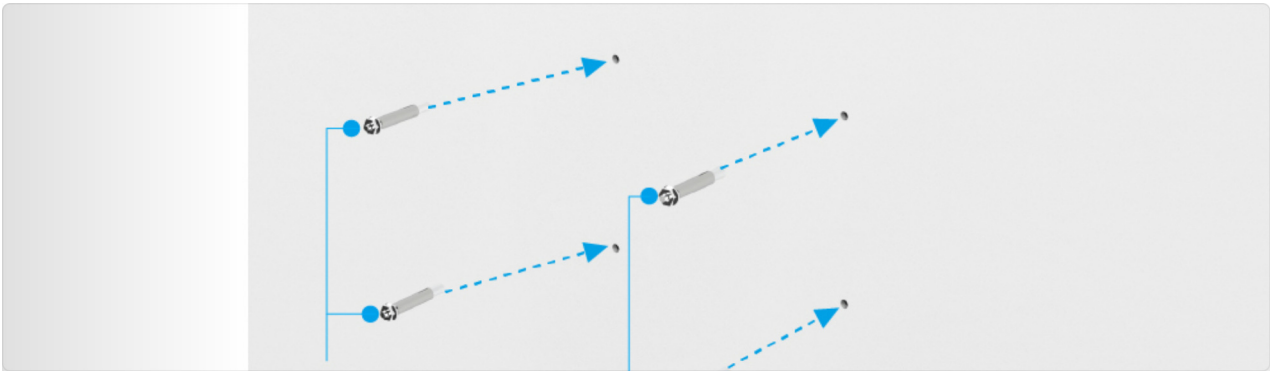
The access point can be mounted on the **Wall** and **Pole**, and please perform the steps for the appropriate installation:

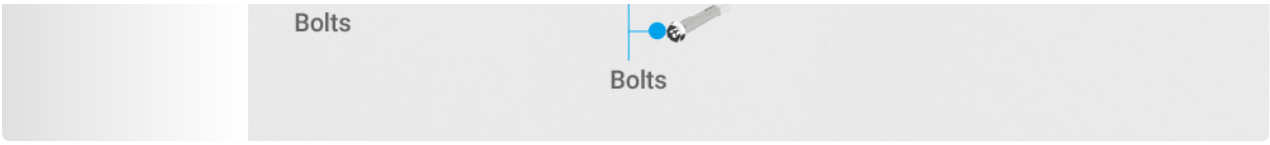
Wall Mount

1. Determine where the Access Point is to be placed and mark the location on the surface for the four mounting holes using the **Wall Mounting Plate**.

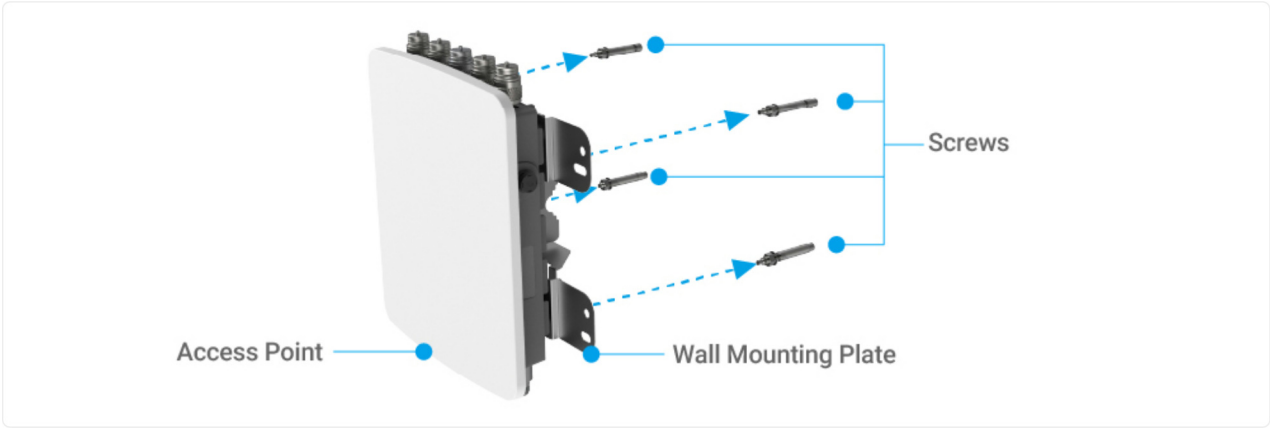


2. Drill four 8mm diagram and 37mm depth holes in the markings and hammer the **Bolts** into the openings.

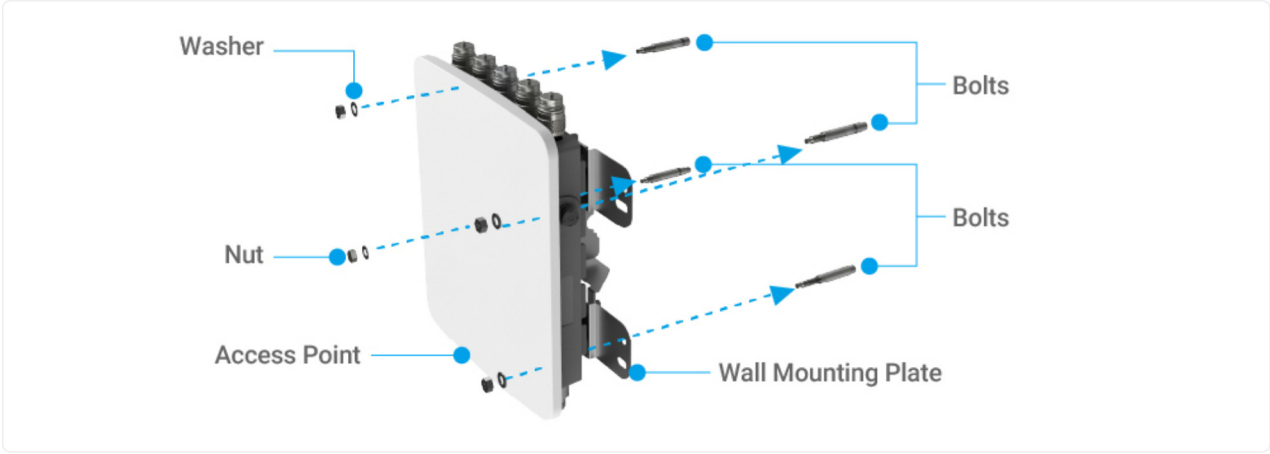




3. Place the lock and flat **Washer** on the round head **Screws** and drive the **Screws** to attach **Wall Mounting Plate** to the back of the Access Point.

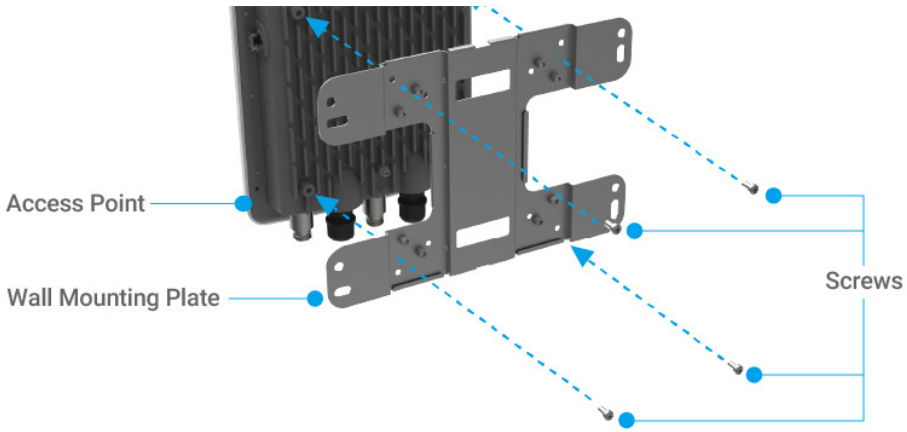


4. Attach the device onto the wall by tightening the **Bolt's** flat **Washers** and **Nuts** to secure the **Wall Mounting Plate** to the mounting surface.

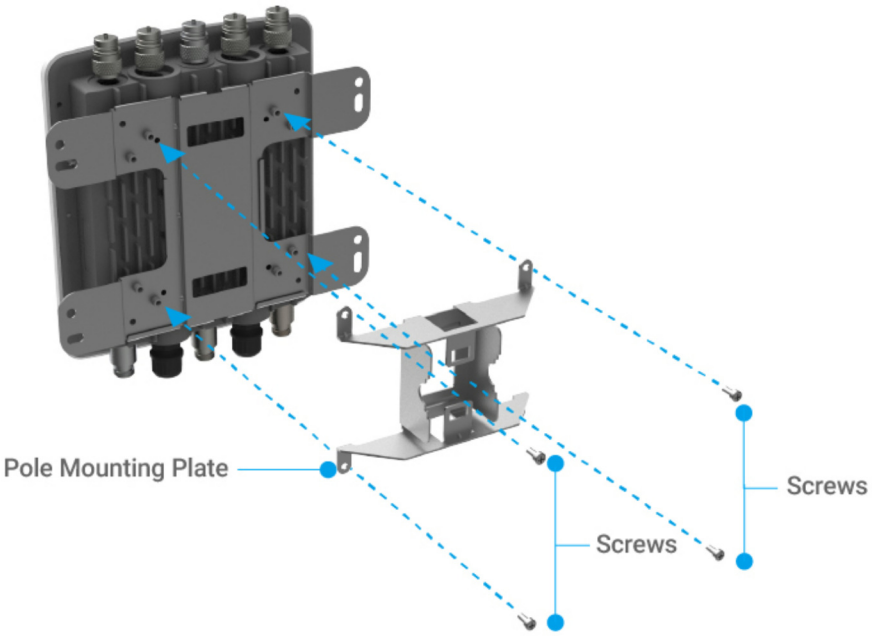


Pole Mount

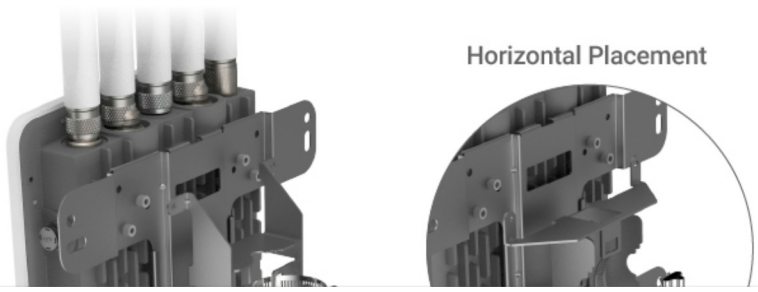
1. Place the lock and flat **Washer** on the cap **Screws** and drive the **Screws** to attach the **Wall Mounting Plate** to the back of the Access Point.
2.

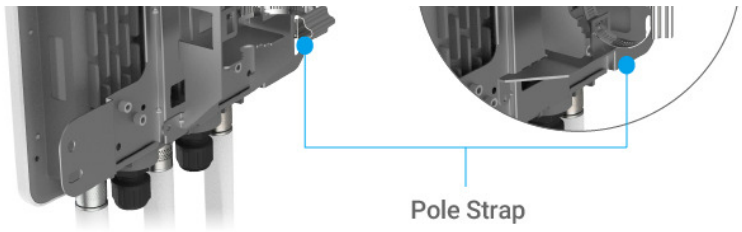


2. Determine which placement to be assembled. Drive the four round head **Screws** to attach the **Pole Mounting Plate** to the mounting base.

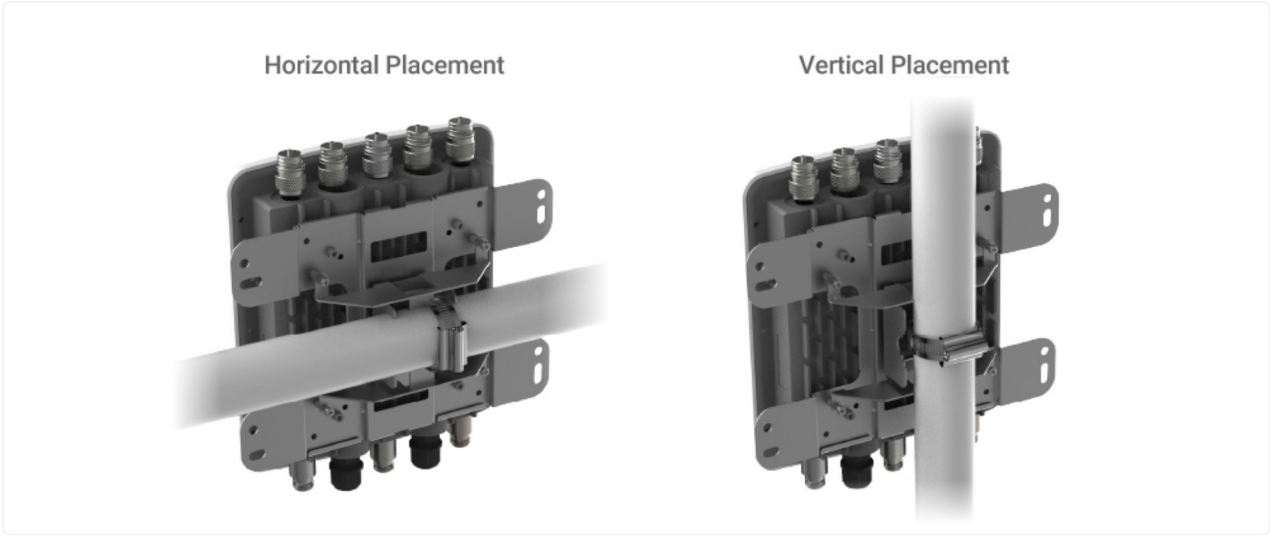


3. Thread the open end of the **Pole Strap** through the two tabs on the **Pole Mounting Plate.**





4. Determine where the Access Point is to be fastened. Lock and tighten **Pole Strap** to secure **Pole Mounting Plate** to the pole.



Configure with EnGenius Cloud

Step1: Register Device and Assign to Network

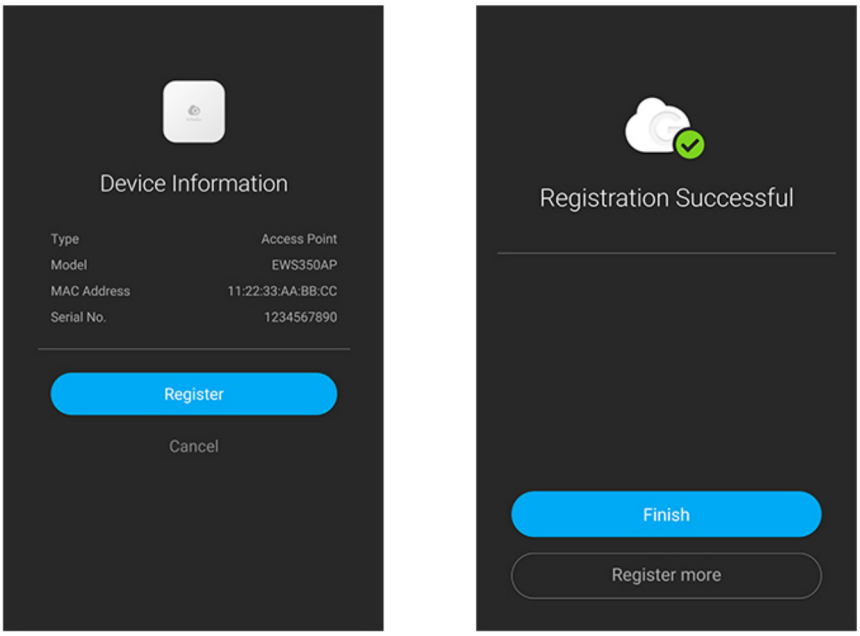
You can register the device either by **Cloud To-Go mobile app** or the **EnGenius Cloud platform.**

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

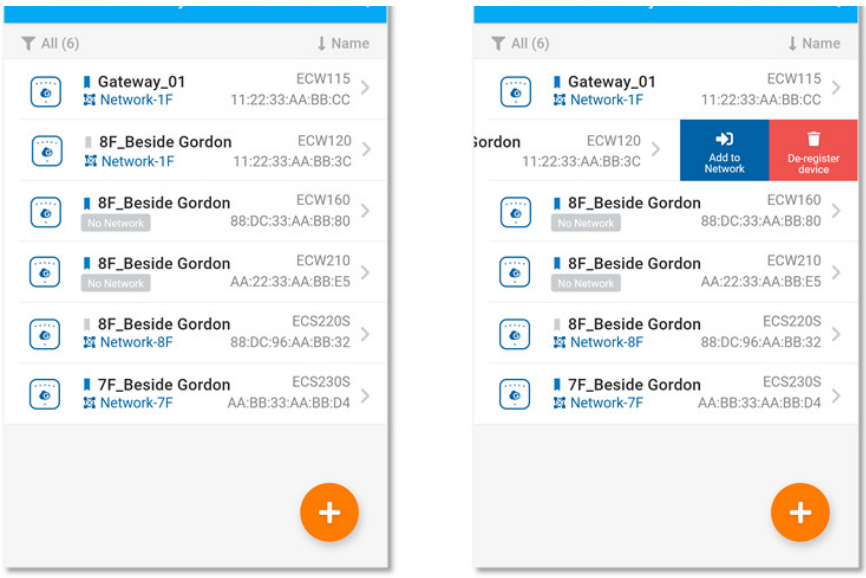
3. If the camera successfully scans a QR code, the app will display the device Information. You could tap "**Register**" to complete the Registration.



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.

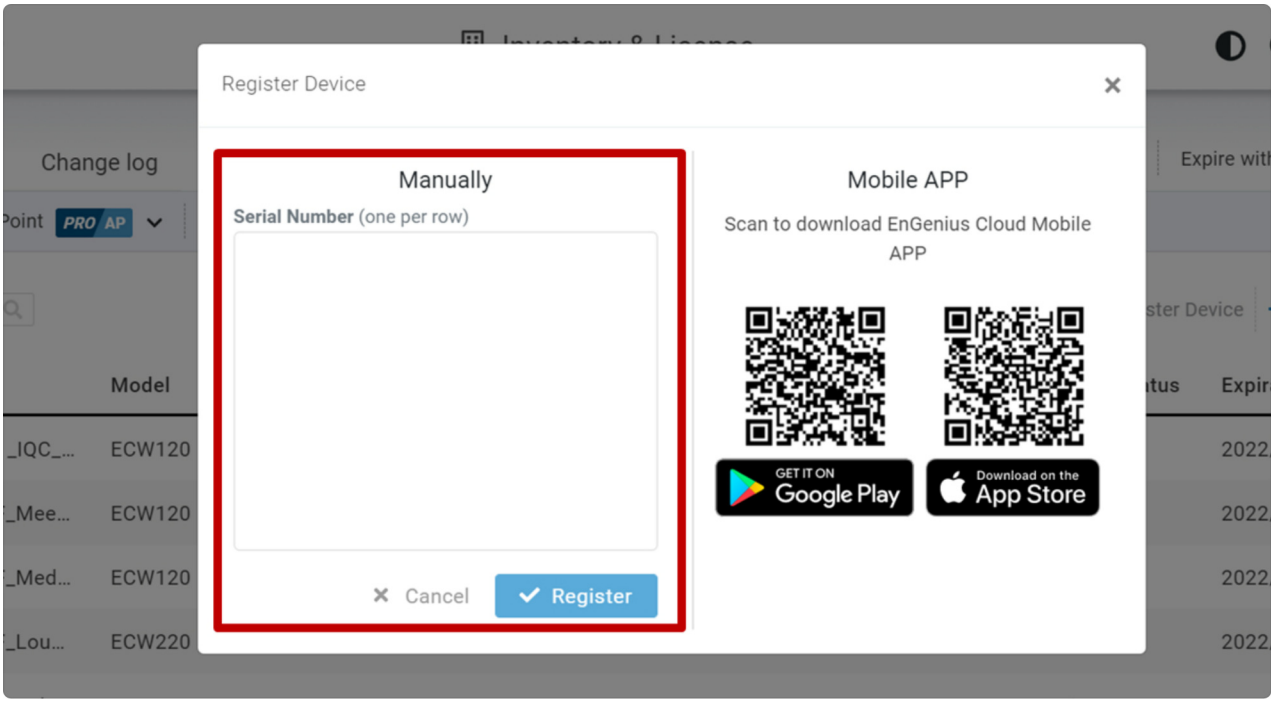
> **Network:** Management domain shared same configurations within EnGenius Cloud.



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".

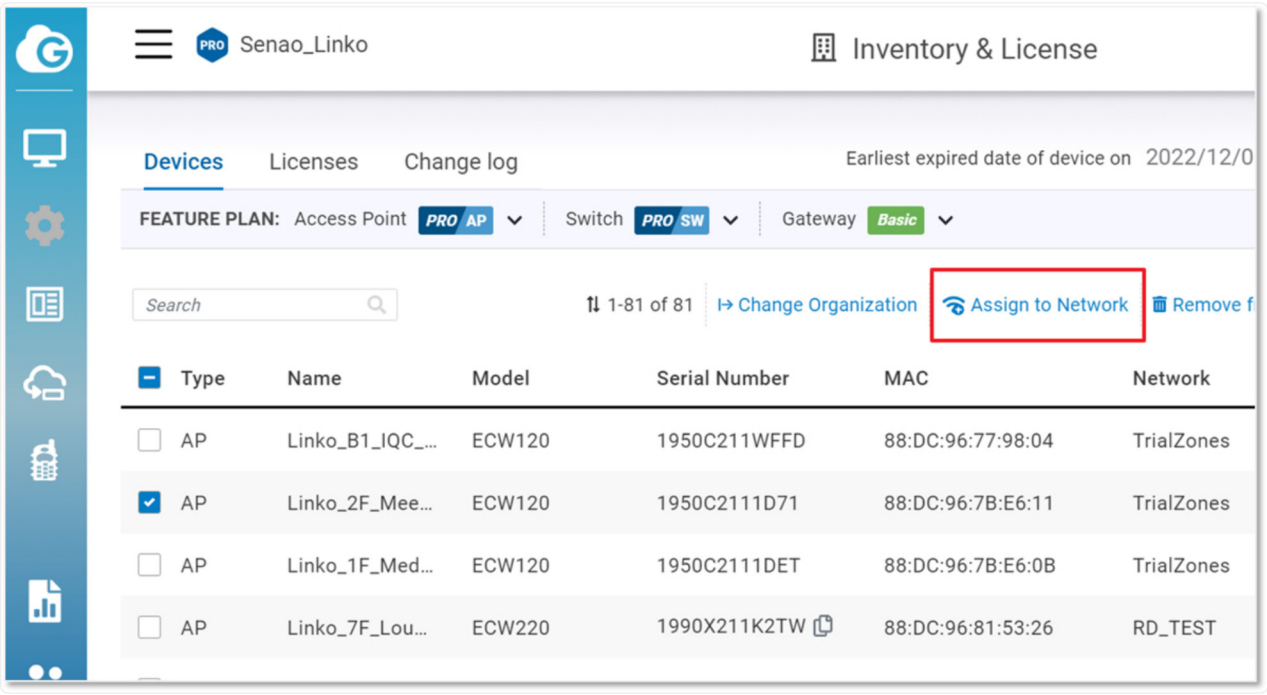


Register device(s) with device's Serial Number

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

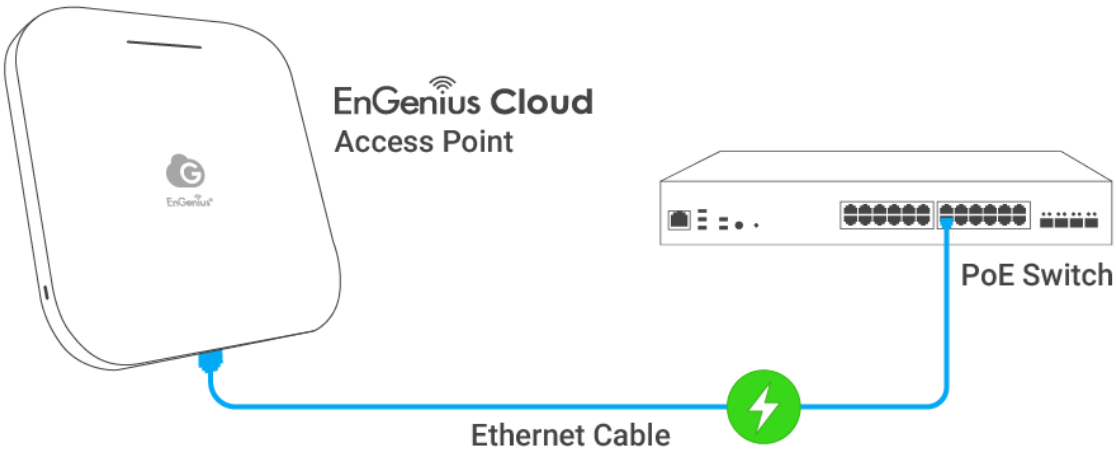
The EnGenius Cloud AP devices can be powered by any of the following:

- EnGenius Cloud PoE Switch or 802.3at PoE+/802.3bt PoE++ compliant Switch
- EnGenius PoE Adapter (EPA5012GP/EPA5060HBT)

> ⚠ 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.



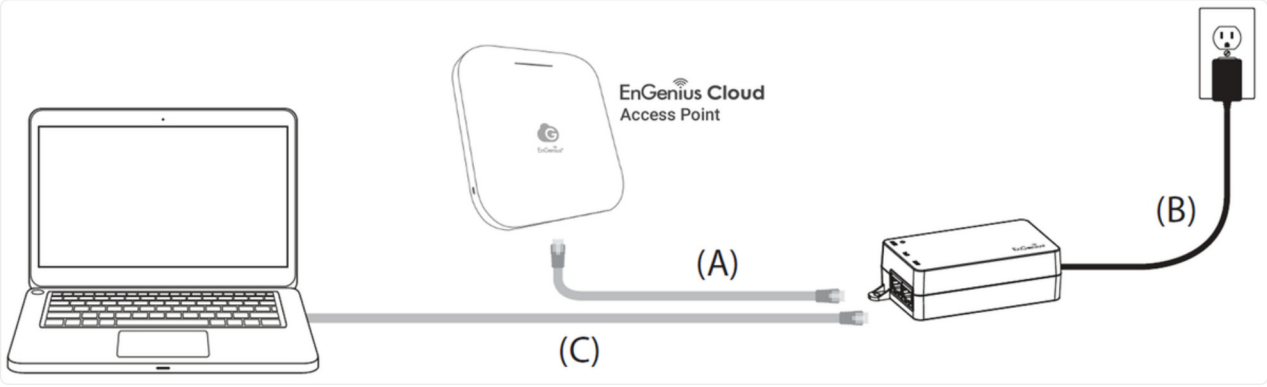
AP is powered by a PoE Switch

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.

- EnGenius EPA5012GP for power source of ECW270 only (without PSE out support).
- EnGenius EPA5060HBT for power source of ECW270 and PSE out.
- Please ensure to use cat5/cat5e UTP/STP RJ45 Ethernet cables.



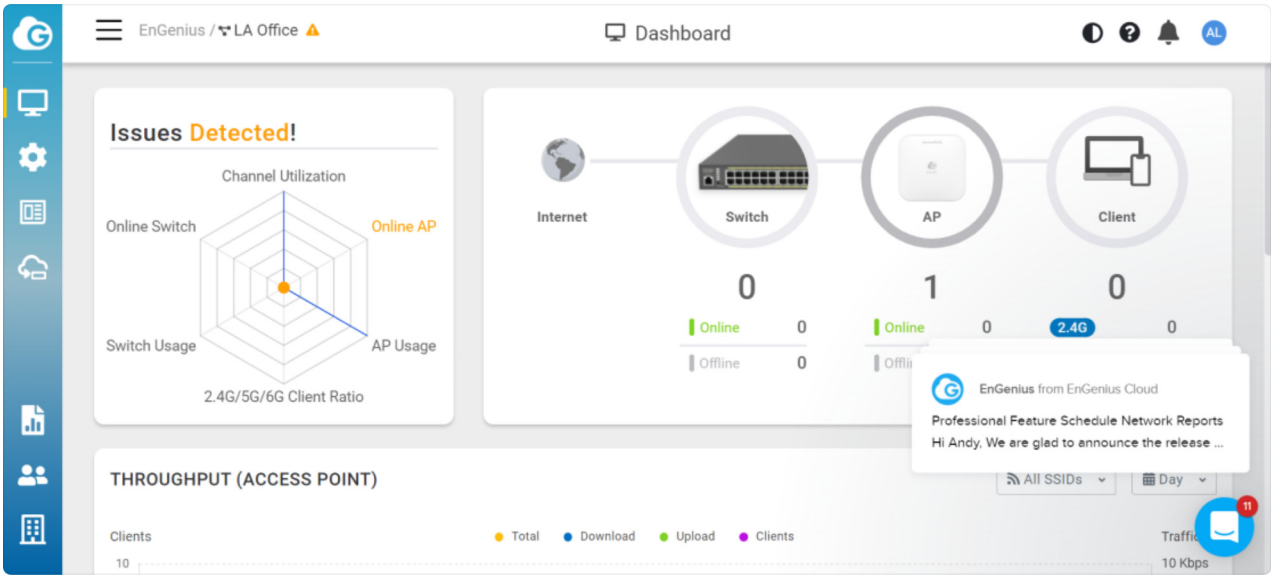
Step3: Connect to the EnGenius Cloud

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

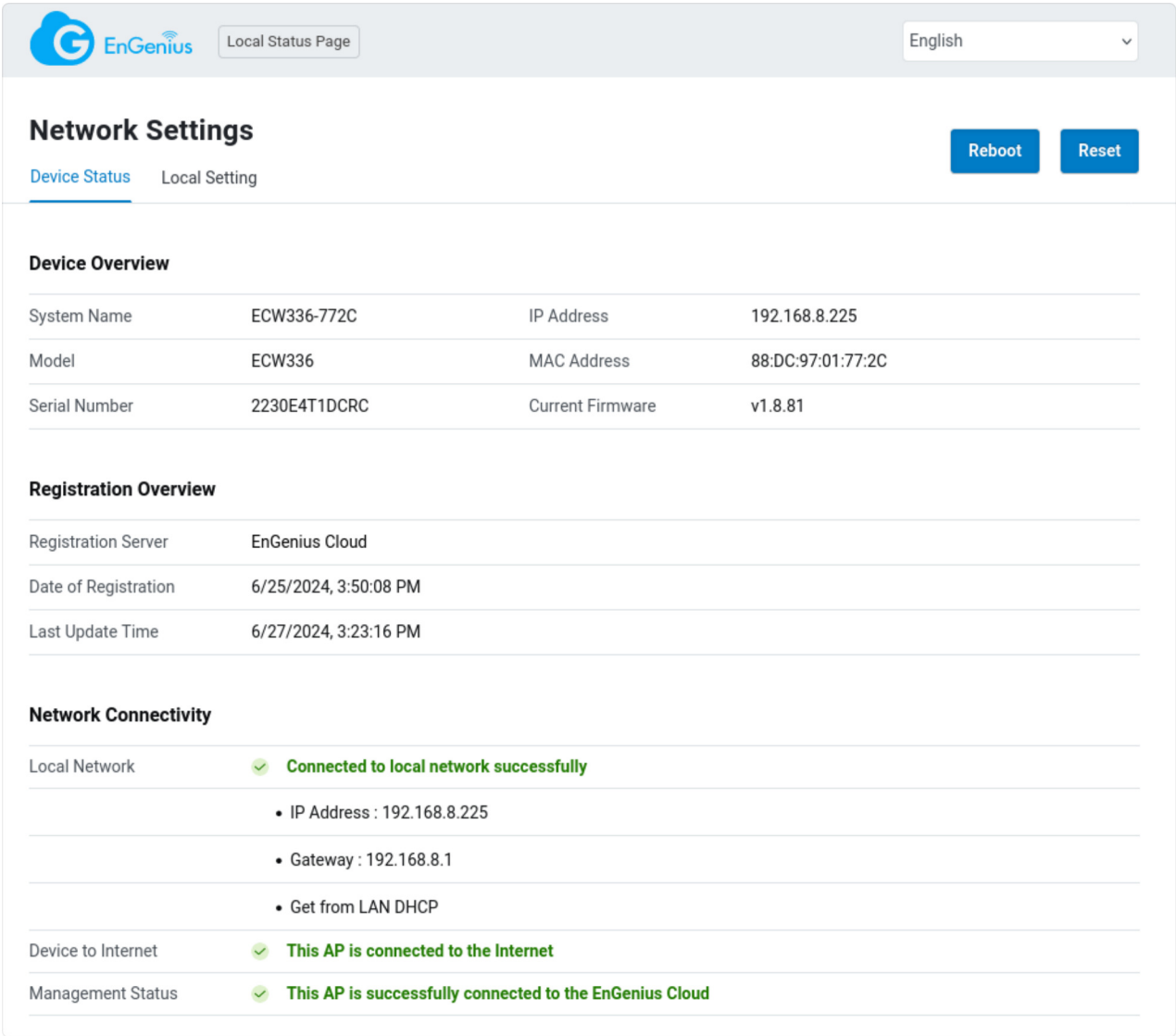
Troubleshooting

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.

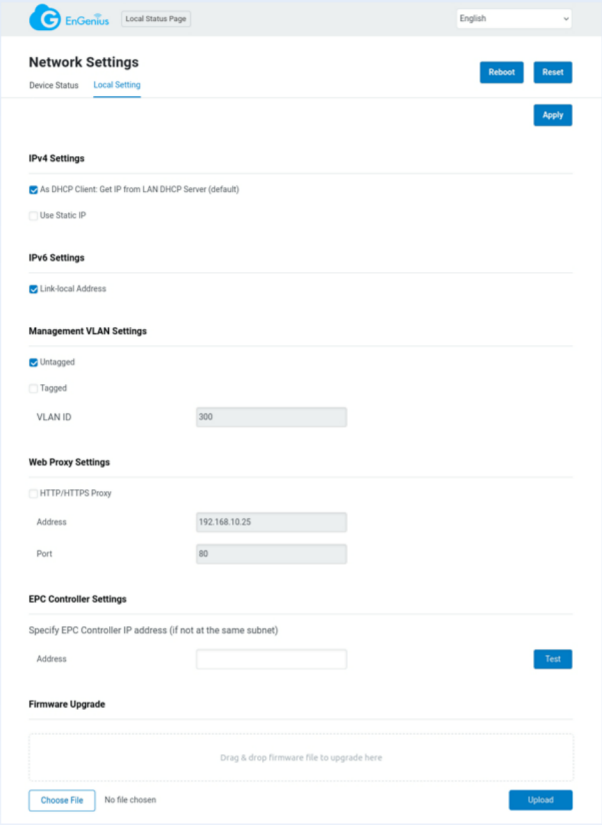


ECW AP's Local Access Page

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 mode***" to "***Static IP***" via the following procedure.

1. Go to the **Local Setting** section.
2. Change IPv4 settings to "***Use Static IP***".
3. Configure the ***IP address, gateway, subnet mask, and proxy*** settings.
4. Reconnect this device to the LAN network and try again.



For more details, please refer to the "User Manual-Troubleshooting ECW AP".