Cloud7 2x2x2

Cloud Managed Wi-Fi 7 2×2×2 Indoor Access Point

Introduction

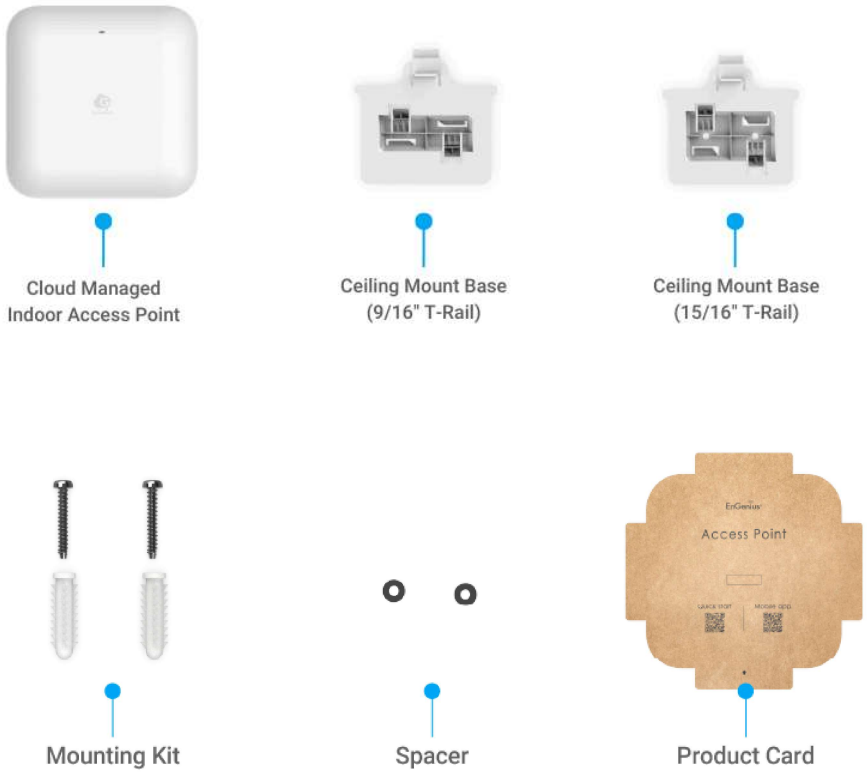
This Quick Start Guide is designed to guide you through the installation of the **Cloud7 2×2×2** Access Point, model **ECW520**, including hardware mounting and configuration.

> Cloud7 2x2x2
>
> ### Cloud Managed Wi-Fi 7 2×2×2 Indoor Access Point
>
> **Model: ECW520**
>
> - Wi-Fi 7 technology for high-performance Wi-Fi in high-density, multi-device environments.
> - Tri-band support with speeds up to 5,800 Mbps (6GHz), 4,300 Mbps (5GHz), and 700 Mbps (2.4GHz).
> - 2.5 GbE PoE-in port supports 802.3at PoE and 60W PoE injector input for flexible installation up to 328 feet (100 meters).

Content Quick Links

- Hardware Overview
- Hardware Mounting
- Configure with EnGenius Cloud

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)

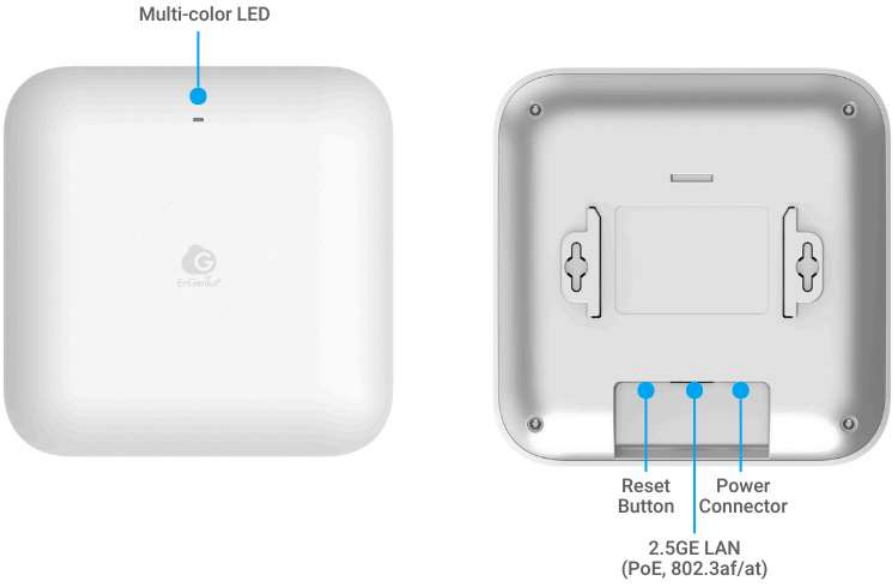
Network Requirements

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 Button:

- **Reset to default:** Press and hold the reset button 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		
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秒 Sec. Off)		

Device status and LED behavior

ECW520 only has one LED indicator with two colors (**Green** / **Blue**)

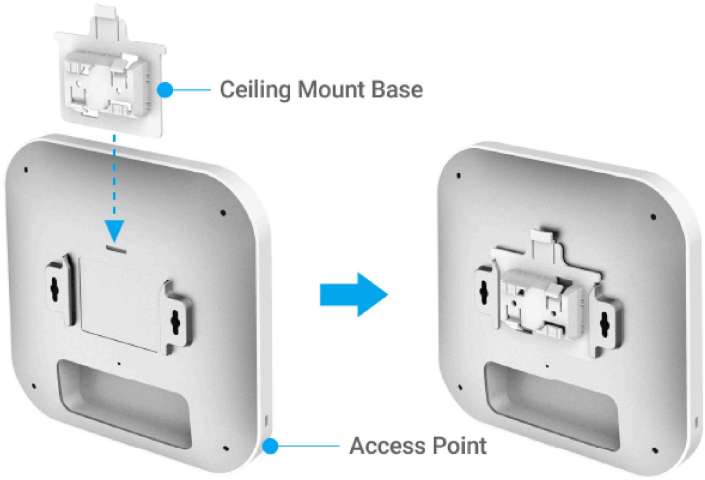
Hardware Mounting

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

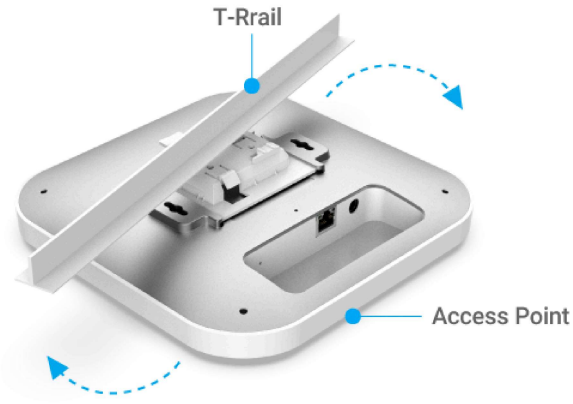
Ceiling Mount

- T-Rail

1. Slide the **Ceiling Mount Base** into the slot of the Access Point.

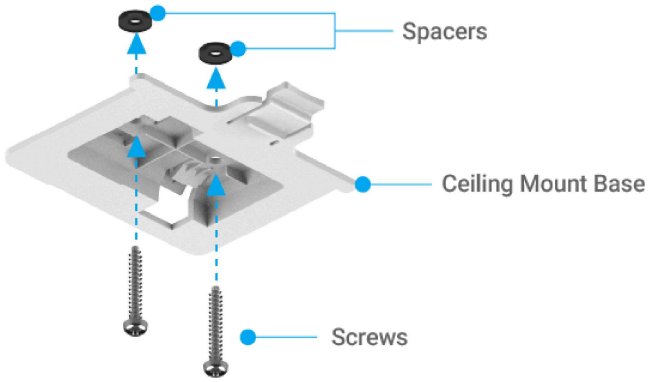


2. Slightly Hook the ceiling mount bracket onto the T-Rail until you hear a click sound.

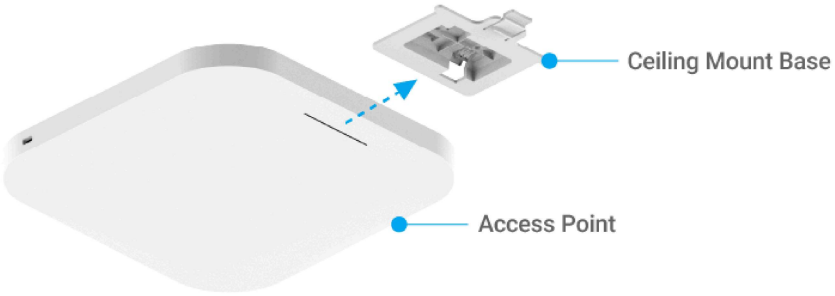


- Hard Ceiling

1. Screw the included **Screws** into the **Ceiling Mount Base** with **Spacers**, and the **Screws** unto the surface until they are flush with the surface.



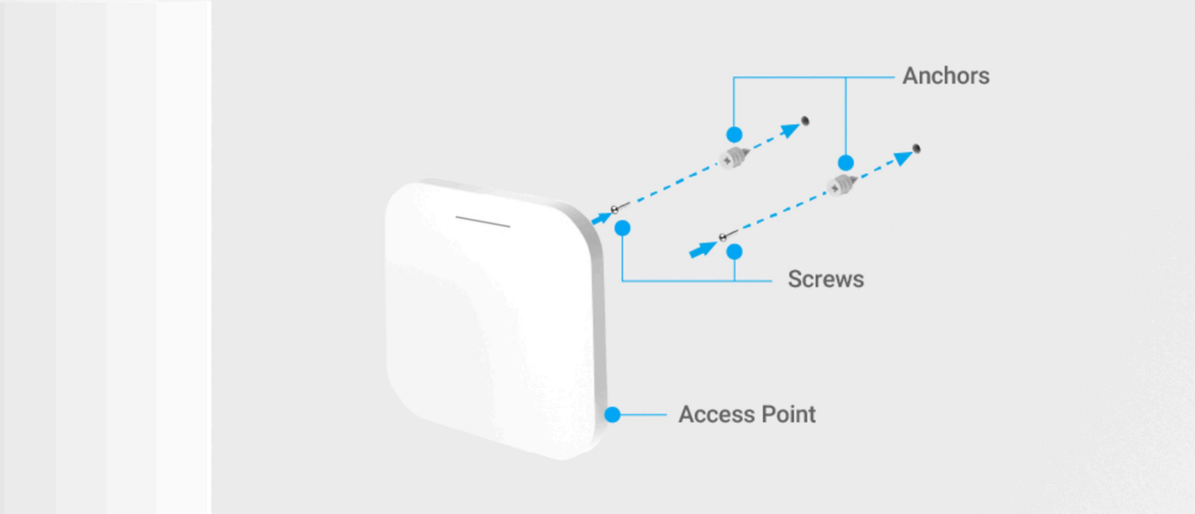
2. Slide the Access Point into the **Ceiling Mount Base**.



Wall Mount

1. Determine where the **Access Point** is to be placed and mark the location on the surface for the two mounting holes. Use the appropriate drill bit to drill two 8.1mm diagram and 26mm depth holes in the markings.

2. Screw the **Anchors** into the holes until they are flush with the wall; screw the included **Screws** into the **Anchors**, but leave the screw head sticking out so you can hang **the Access Point** on it.



4. Hang the **Access Point** against wall onto the **Screw** heads.



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**.

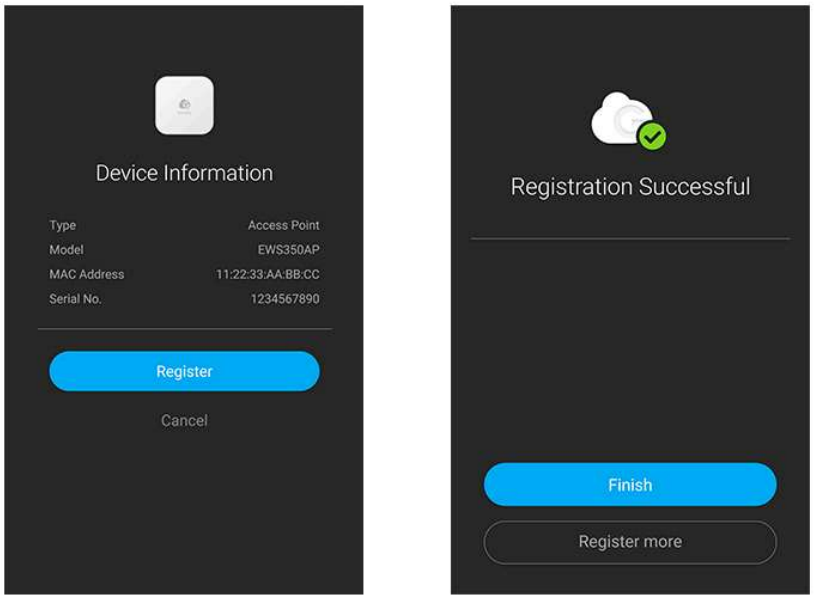
Cloud To-Go Mobile App

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

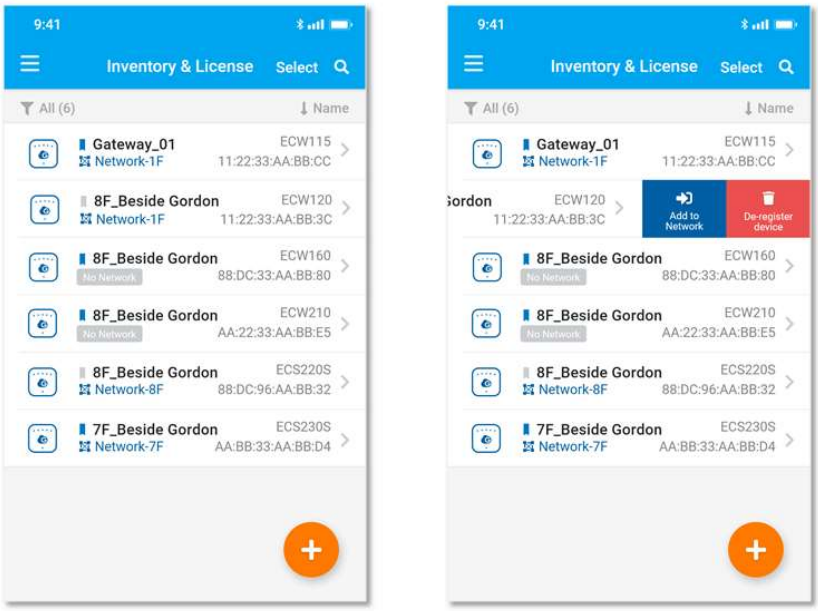
3. If the camera successfully scans a QR code, the app will display the device Information. You could tap "**Register**" to complete the Registration.



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.

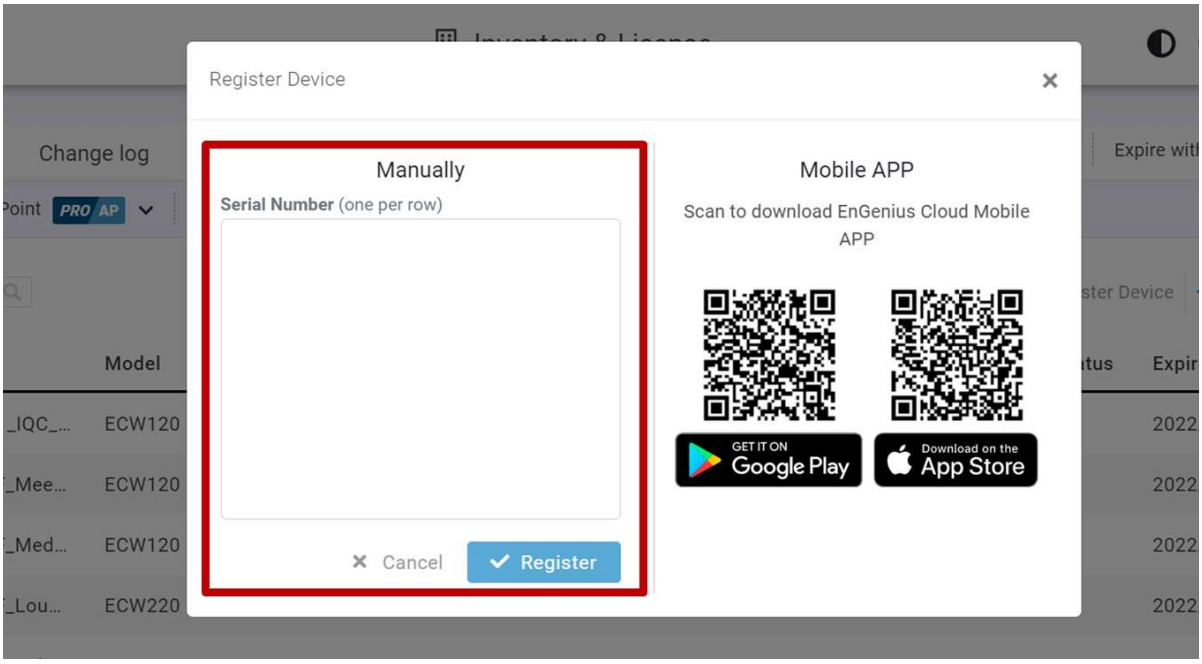
Network: Management domain shared same configurations within EnGenius Cloud.



Assign device to a managed Network

EnGenius Cloud Platform

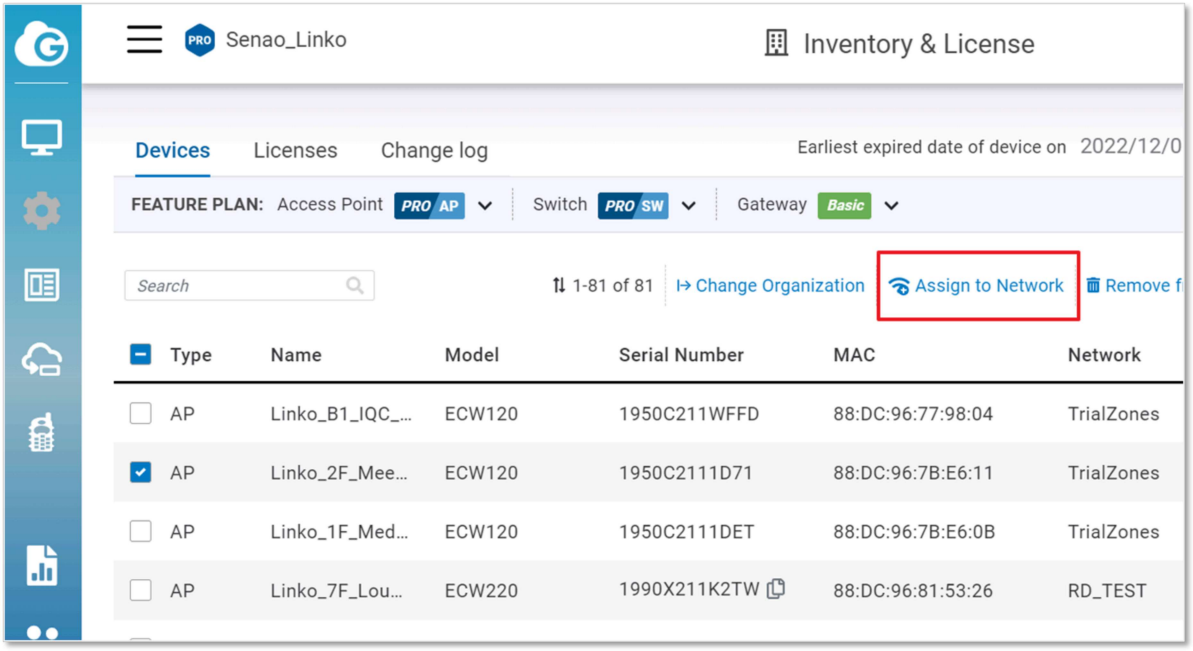
1. Log in to the **EnGenius Cloud Platform**: https://cloud.engenius.ai/ ↗.
2. Go to the ***home > Inventory&License*** page and click "**Register Device**".
3. Enter the **Serial Number** of the device(s) for device registration. Please refer to "User Manual-Registering Devices to Organization ↗".



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

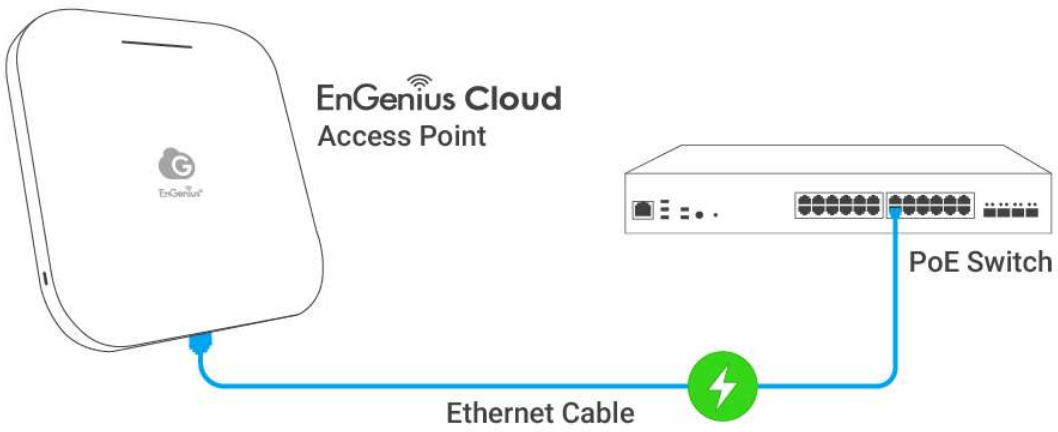
The EnGenius Cloud AP devices can be powered by any of the following:

- EnGenius Cloud PoE Switch or 802.3at PoE+ compliant Switch
- EnGenius PoE adaptor (EPA5006GP/EPA5006GAT)
- Power Adapter (DC 12V/1.5A 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.



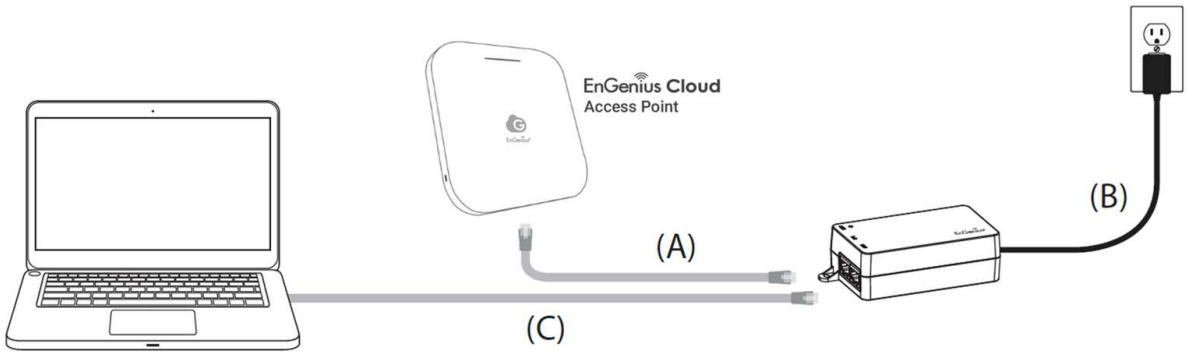
AP is powered by a PoE Switch

Powered with a PoE Adapter

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

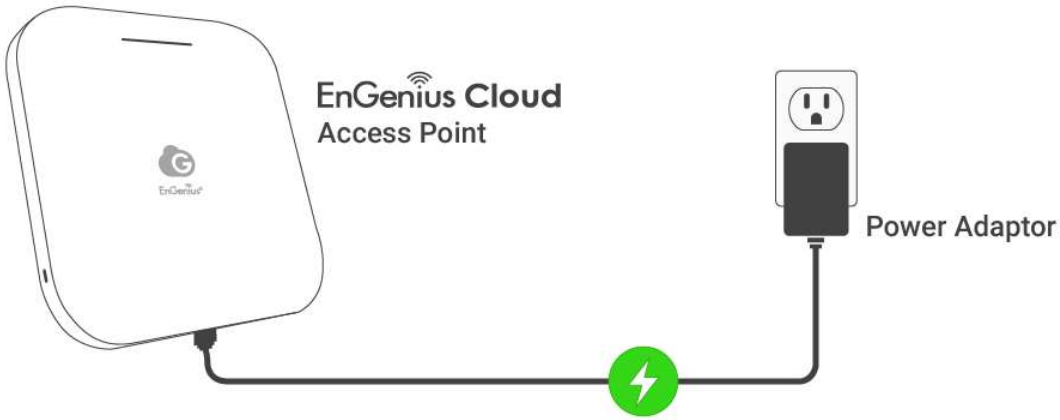
(B) Connect the power cord with the PoE Adapter and plug the other end into an electrical outlet. (C) Connect the second Ethernet cable into the LAN port of the PoE Adapter and the other end to the Ethernet port on the computer.

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

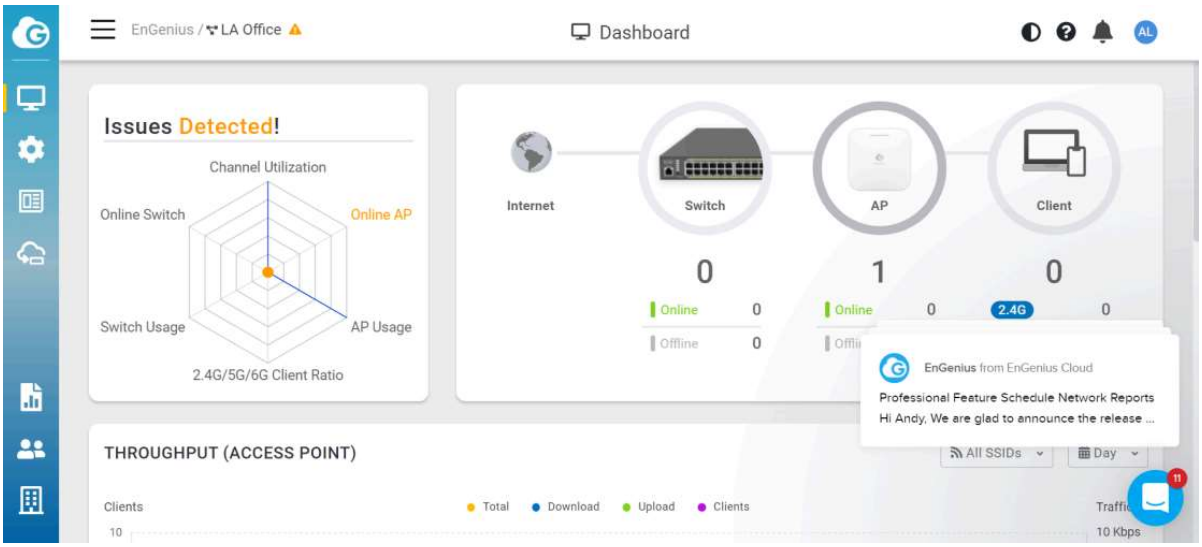
Step3: Connect to the EnGenius Cloud

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

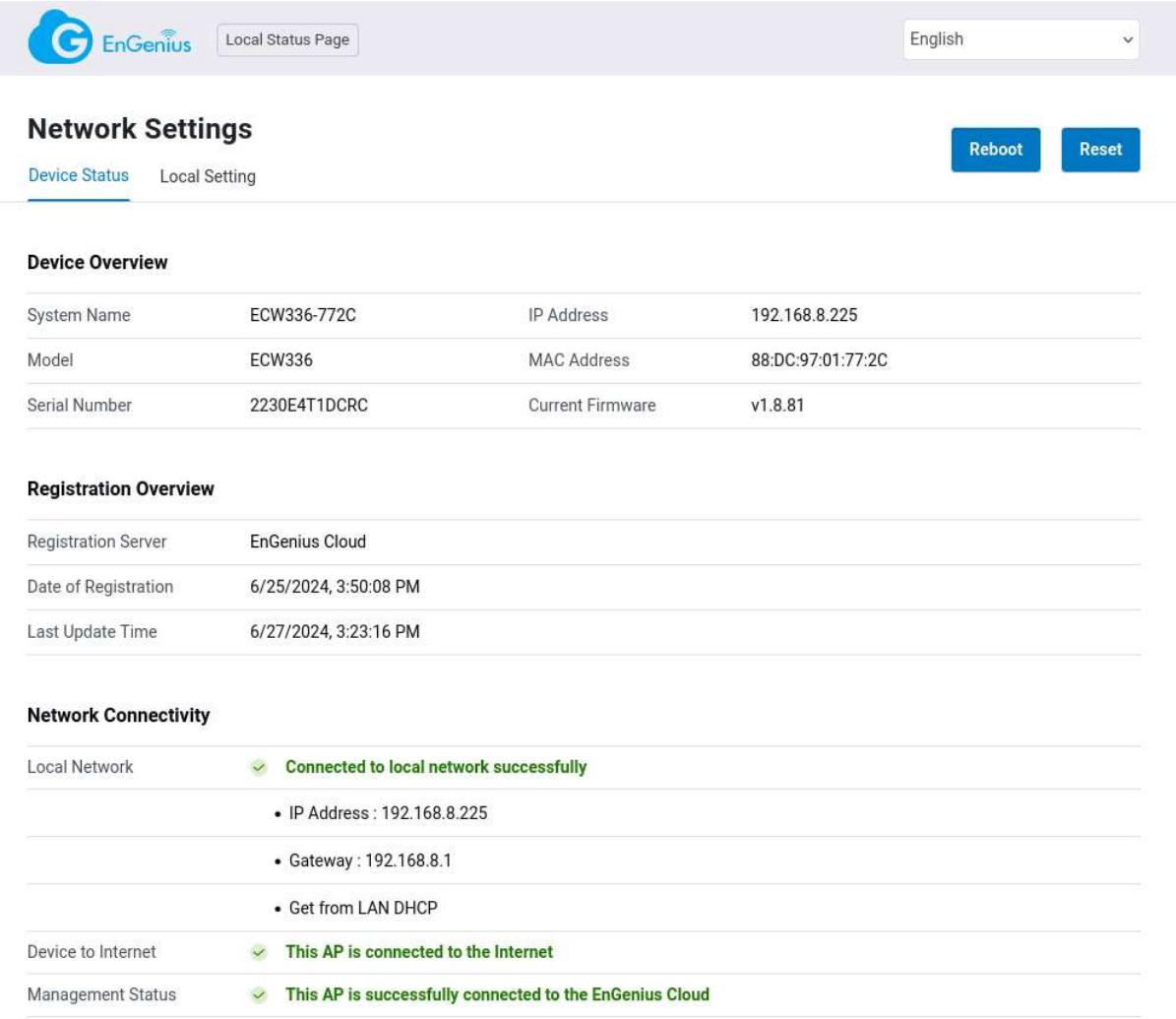
Troubleshooting

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.

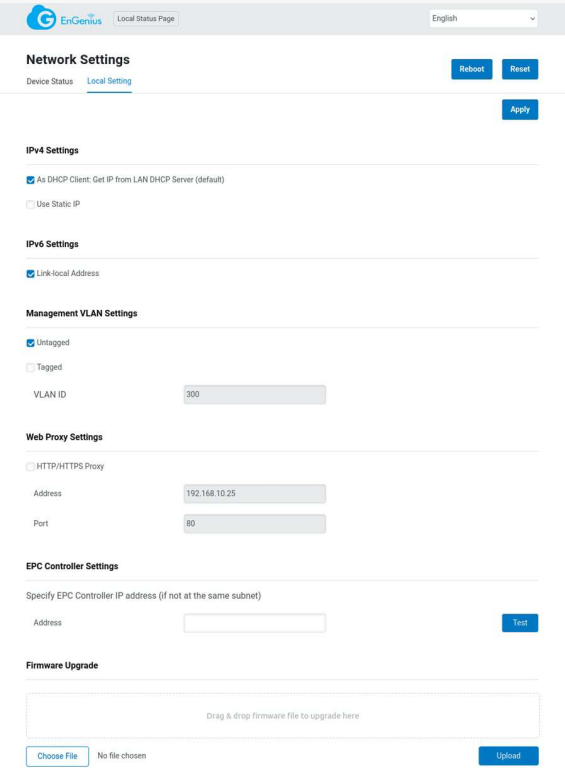


ECW AP's Local Access Page

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 ↗".