

Cloud7 4×4×4

Cloud Managed Wi-Fi 7 4×4×4 Indoor Access Point (ECW536)

Introduction

This Quick Start Guide is designed to guide you through the installation of the **Cloud7 4×4×4** Access Point, model **ECW536**, including hardware mounting and configuration.



Cloud7 4×4×4

Cloud Managed Wi-Fi 7 4×4×4 Indoor Access Point

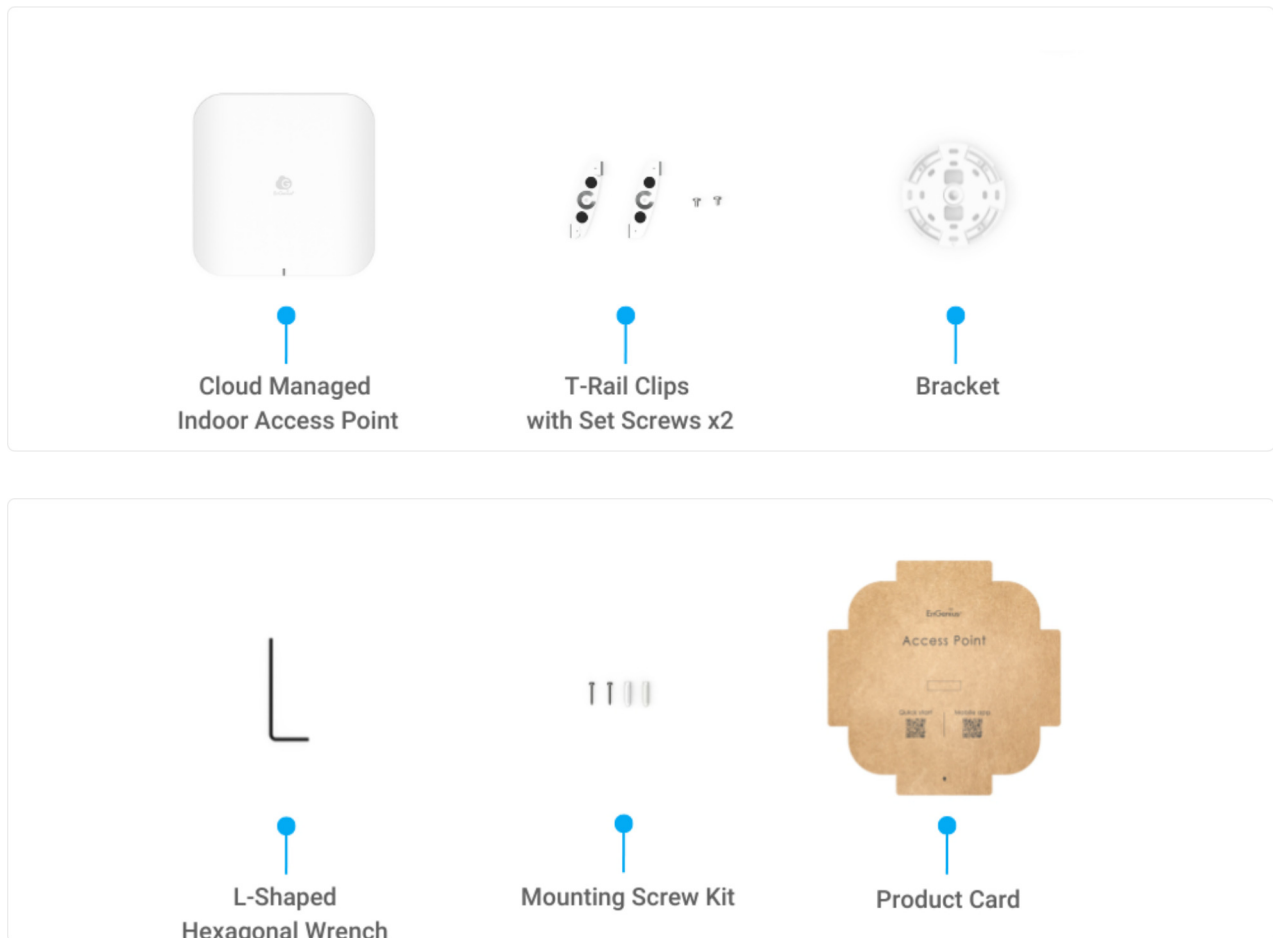
Model: ECW536

- Wi-Fi 7 technology for high-performance Wi-Fi in high-density, multi-device environments.
- Four spatial streams support up to 11,600 Mbps on 6 GHz, 5,800 Mbps (5 GHz) & up to 1,400 Mbps (2.4 GHz).
- 10 GbE realizes greater throughput and supports 802.3bt 60W PoE input for flexible installation over 100 meters (328 feet).

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 downloaded the right app and use the supported browser.

Mobile App:

EnGenius Cloud To-Go (iOS/ Android supported)

[!\[\]\(a870788d6ed9b8fd294b7654a8c8526b_img.jpg\) 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/ Behavior		
Connecting to Cloud	Orange Flashing (0.5 Sec)		
Cloud Connected	Blue Solid on (5 Sec)		
Firmware Upgrading	Blue Flashing (0.5 Sec)	<--->	White Flashing (0.5 Sec)
Reset to Default	Blue Fast Flashing (0.2 Sec)		
LAN Connected	Blue Breathing (3 Sec)		
2.4GHz Radio On	Yellow Breathing (3 Sec)		
5GHz Radio On	Green Breathing (3 Sec)		
6GHz Radio On	Purple Breathing (3 Sec)		
AP Locating Mode	Blue Flashing (1.5 sec on -> 0.5 sec off)		

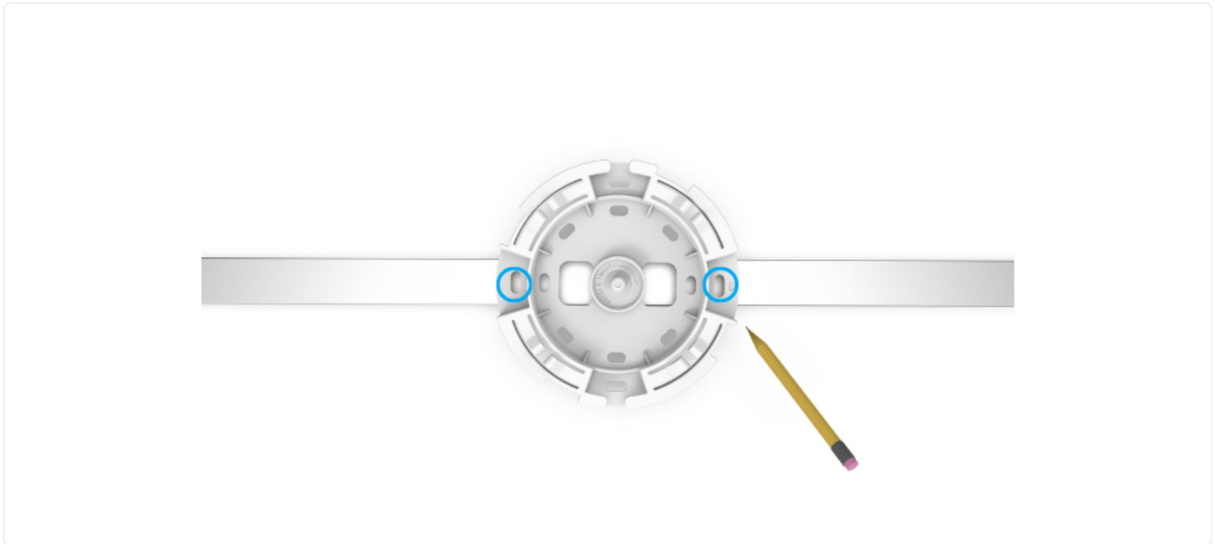
Hardware Mounting

The access point can be mounted on the **Ceiling** and **Wall**. Please perform the steps

for the appropriate installation:

Ceiling Mount

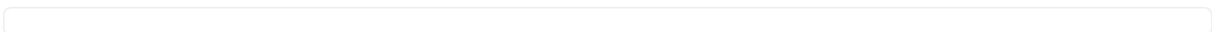
1. Use the outermost screw hole of the **Bracket** to mark the distance where the T-bar should be fixed on the **T-rail**.

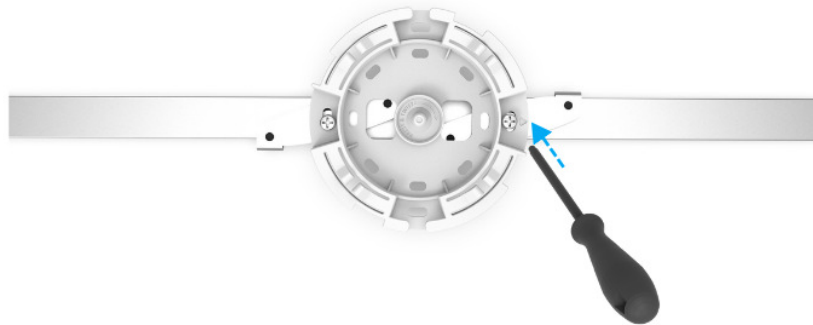


2. Loosen the fixed screws on the T-bar with an L-wrench. Align the center screw hole of the T-bar with the position just marked on the **T-rail**, then tighten the fixed screws on the T-bar using the L-wrench.

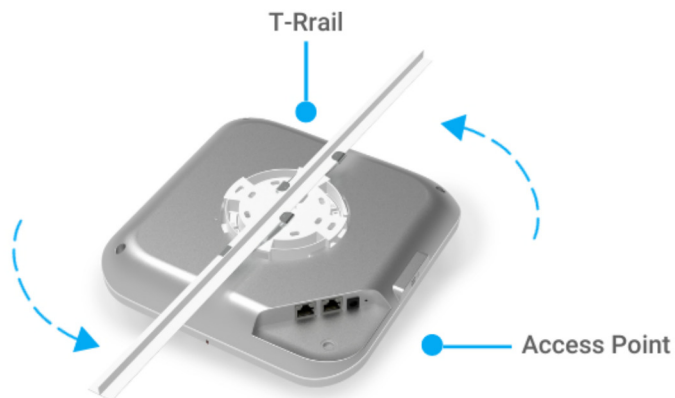


3. Use the **Short Screws** from the accessory to fix the **Bracket** onto the T-bar.



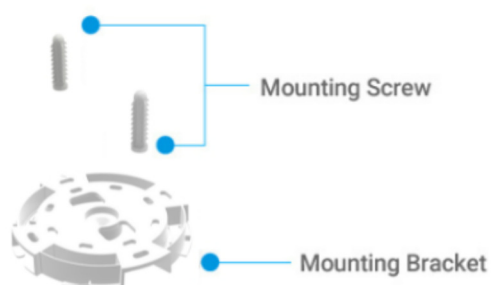


4. Mount the **Access Point** on the **Mounting Bracket** by rotating the unit clockwise about 45 degrees to secure it in place.



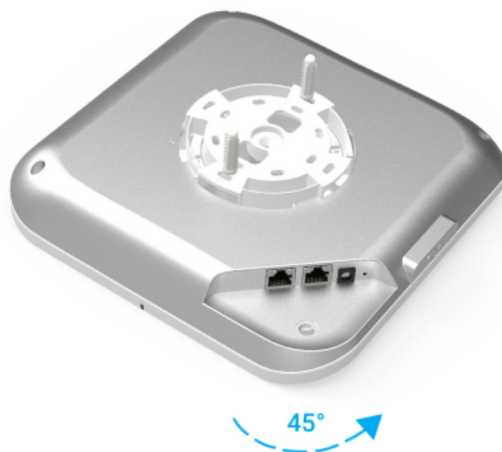
Dual Mount

1. Determine where the **Access Point** will be placed and attach the **Mounting Bracket** to the **Wall/ Ceiling** using the provided **Mounting Kit**.





2. Mount the **Access Point** on the **Mounting Bracket** by rotating the unit clockwise about 45 degrees to secure it in place.



Configure with EnGenius Cloud

Step1: Register Device and Assign to Network

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

Cloud To-Go Mobile App

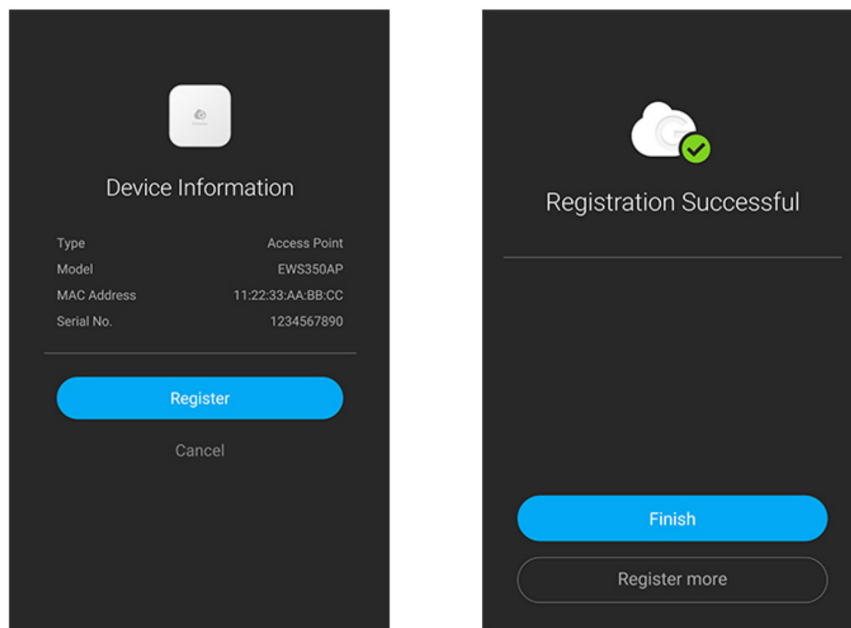
1. Open and log in to the **EnGenius Cloud To-Go** mobile app.
2. Scan the QR code on the back of the device via the app.






Scan QR-code for device registration

3. If the camera successfully scans a QR code, the app will display the device Information. You can 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.

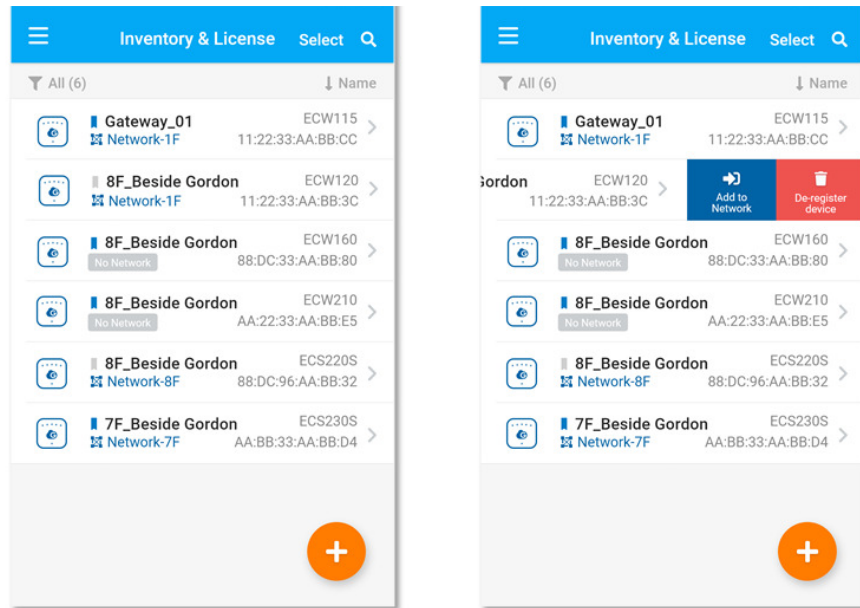
 **Network:** Management domain shared same configurations within EnGenius Cloud.

9:41



9:41

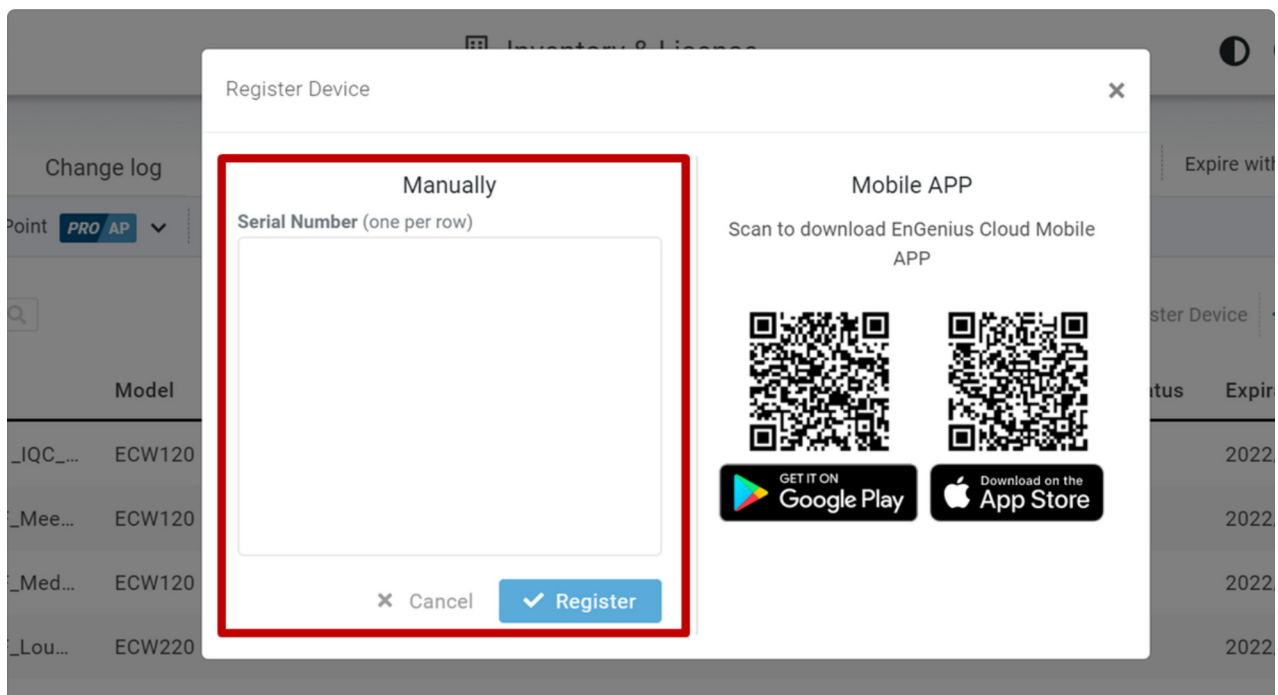




Assign device to a managed Network


EnGenius Cloud Platform

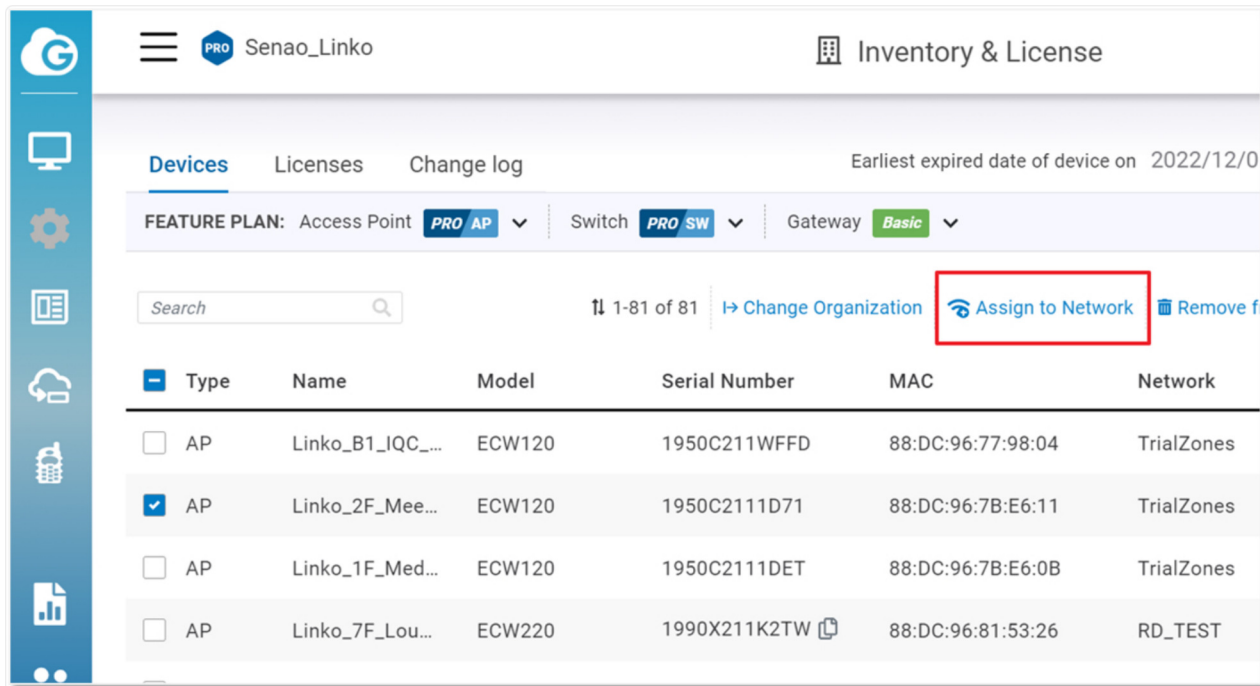
1. Log in to the EnGenius Cloud Platform: <https://cloud.engenius.ai/>.
2. Go to the *home > Inventory&License* page and click "Register Device".
3. Enter the **Serial Number** of the device(s) for device registration. Please refer to "[User Manual-Registering Devices to Organization](#)".



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.



The screenshot shows the 'Inventory & License' page in the EnGenius Cloud interface. The 'Devices' tab is active, and the 'Assign to Network' button is highlighted with a red box. The table below lists the devices:


Type	Name	Model	Serial Number	MAC	Network	
<input type="checkbox"/>	AP	Linko_B1_IQC_...	ECW120	1950C211WFFD	88:DC:96:77:98:04	TrialZones
<input checked="" type="checkbox"/>	AP	Linko_2F_Mee...	ECW120	1950C2111D71	88:DC:96:7B:E6:11	TrialZones
<input type="checkbox"/>	AP	Linko_1F_Med...	ECW120	1950C2111DET	88:DC:96:7B:E6:0B	TrialZones
<input type="checkbox"/>	AP	Linko_7F_Lou...	ECW220	1990X211K2TW	88:DC:96:81:53:26	RD_TEST

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:

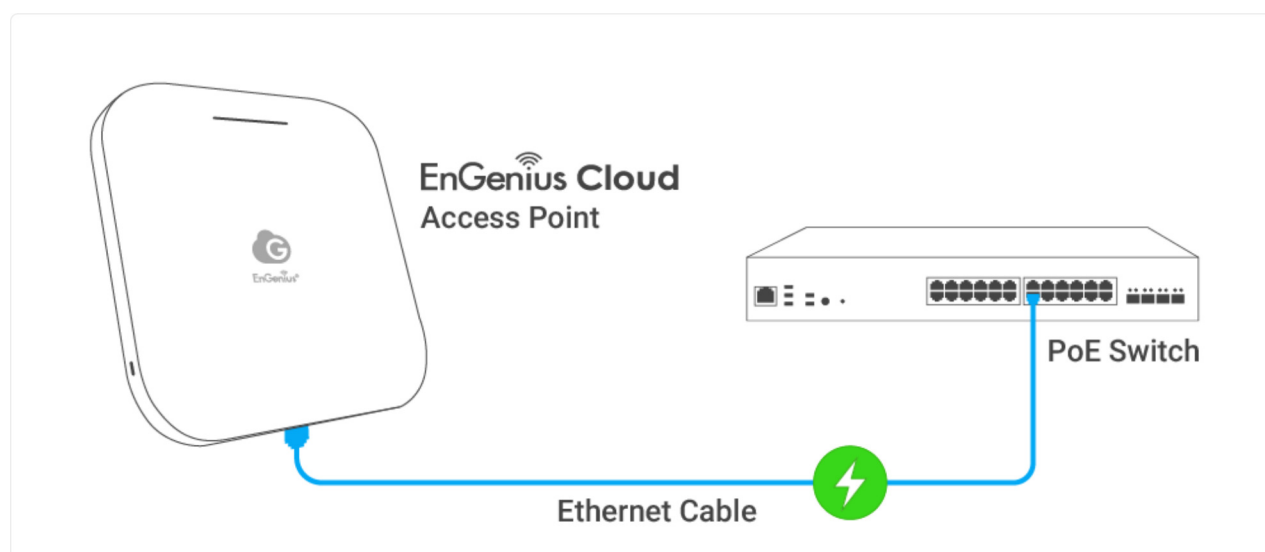
- EnGenius Cloud PoE Switch or 802.3at/ 802.3bt PoE+ compliant Switch
- EnGenius PoE adaptor (EPA5060XBT)
- Power Adapter (DC 12V/3A power input)

 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

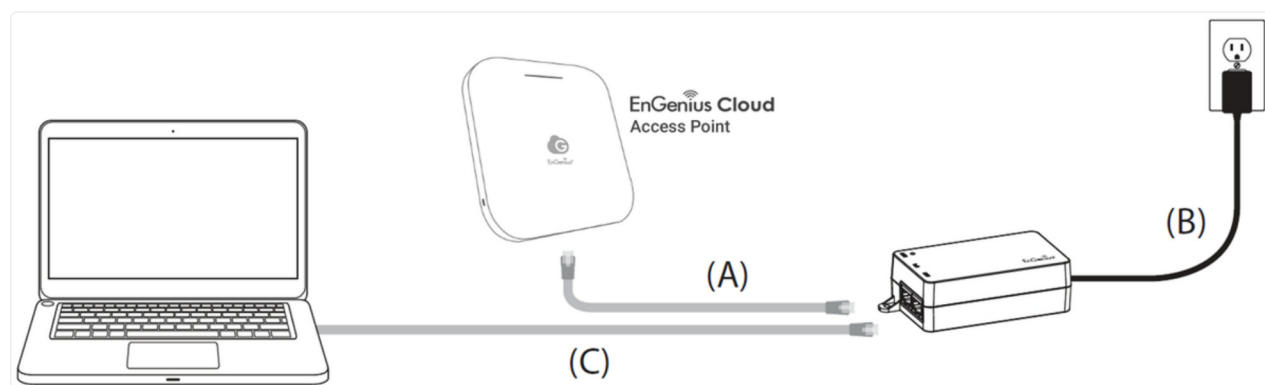
Powered with a PoE Adapter

(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.

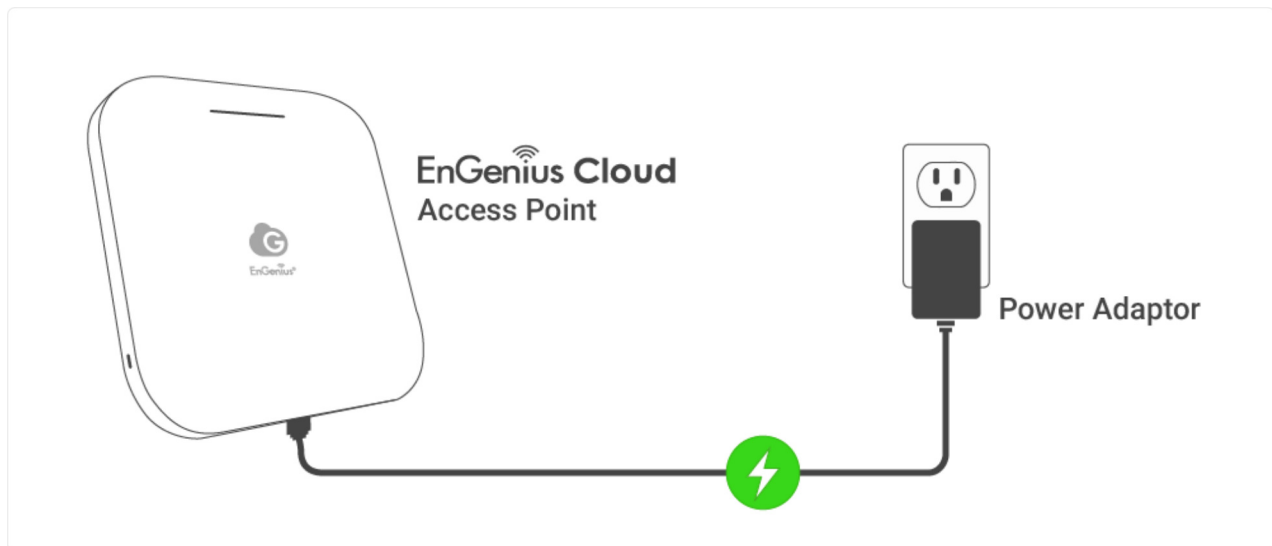
(C) Connect the second Ethernet cable into the LAN port of the PoE Adapter and the other end to the Ethernet port on the computer.

 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

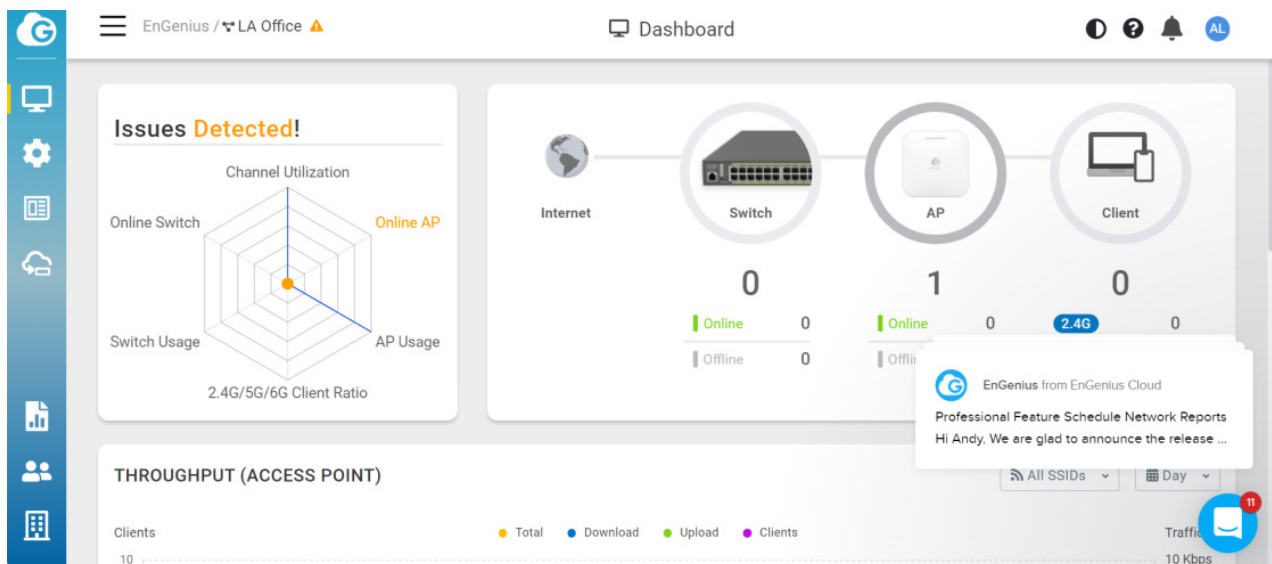
Step3: Connect to the EnGenius Cloud

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 **LED** indicator will be **Flashing** (0.5 sec) until 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](#).



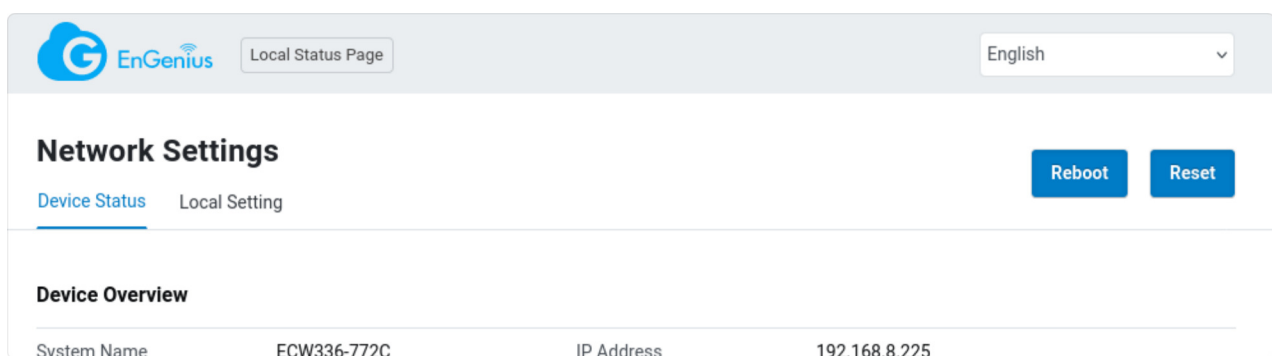
EnGenius Cloud Dashboard

Troubleshooting

If the EnGenius Cloud Platform cannot manage your AP, 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.



Model	ECW336	MAC Address	88:DC:97:01:77:2C
Serial Number	2230E4T1DCRC	Current Firmware	v1.8.81

Registration Overview

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

Network Connectivity


Local Network	<div>✓ Connected to local network successfully</div> <ul style="list-style-type: none"> 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 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.



Local Status Page

English

Network Settings

Device StatusLocal Setting

RebootReset

Apply

IPv4 Settings

☒ As DHCP Client: Get IP from LAN DHCP Server (default)

☐ Use Static IP

IPv6 Settings

☒ Link-local Address

Management VLAN Settings

☒ Untagged

☐ Tagged

VLAN ID

300

Web Proxy Settings

☐ HTTP/HTTPS Proxy

Address

192.168.10.25

Port

80

EPC Controller Settings

Specify EPC Controller IP address (if not at the same subnet)

Address

Test

Firmware Upgrade

Drag & drop firmware file to upgrade here

Choose File

No file chosen

Upload

For more details, please refer to the "[User Manual-Troubleshooting ECW AP](#)".