

Cloud7 2x2x2

Cloud Managed Wi-Fi 7 2x2x2 Indoor Access Point (ECW526)

Introduction

This Quick Start Guide is designed to guide you through the installation of the **Cloud7 2x2x2** Access Point, model **ECW526**, including hardware mounting and configuration.



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Cloud Managed Wi-Fi 7 2x2x2 Indoor Access Point

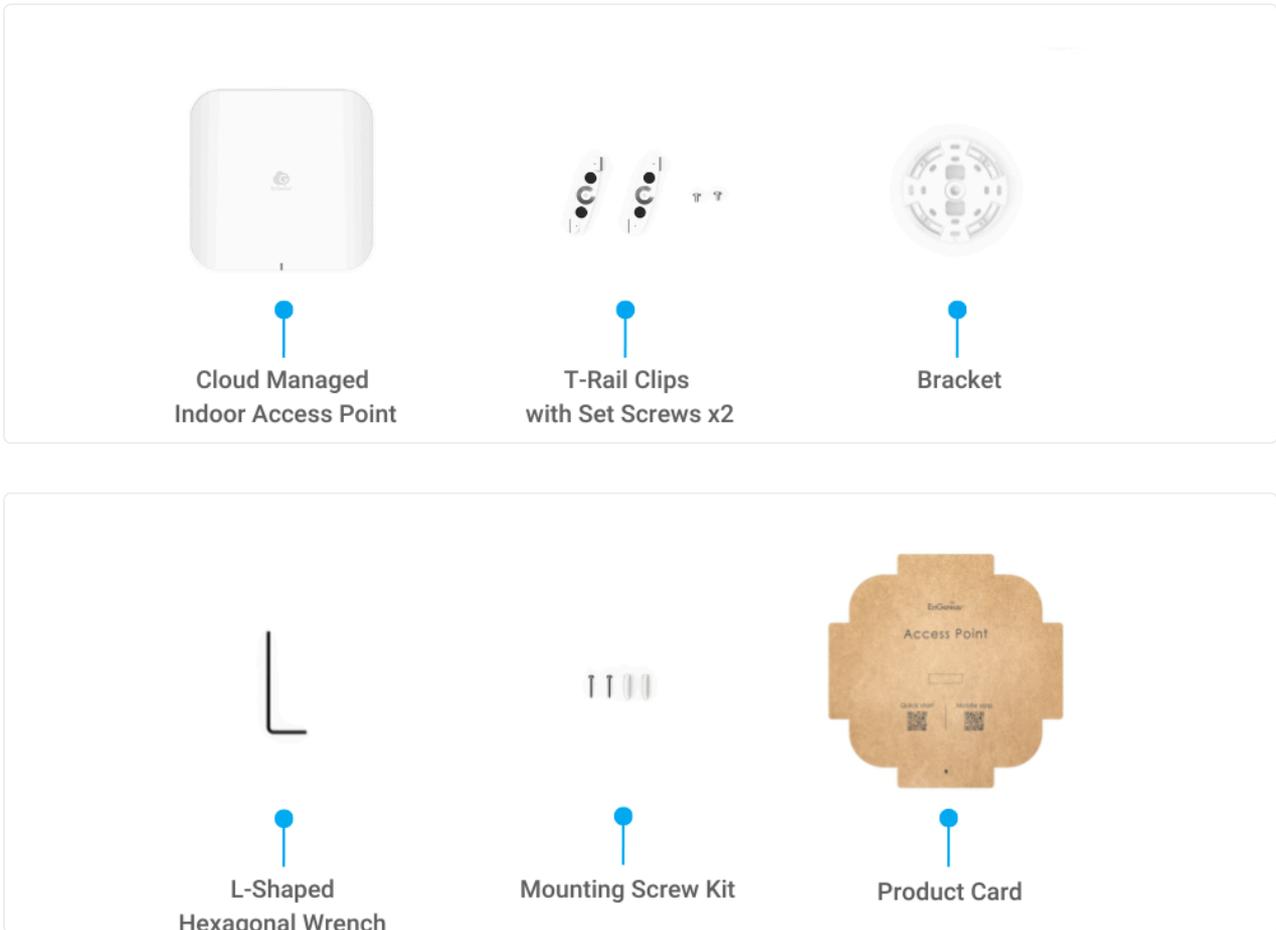
Model: ECW526

- Wi-Fi 7 technology for high-performance Wi-Fi in high-density, multi-device environments.
- Supercharged speeds up to 5,800 Mbps on 6 GHz, 2,900 Mbps (5 GHz), and up to 700 Mbps (2.4 GHz).
- 10 GbE realizes greater throughput and supports 802.3at and 60W PoE injector 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)

[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(PWR) will start *Fast Flashing* (0.2 sec). Then, the device will be reset to factory default settings.

LEDs

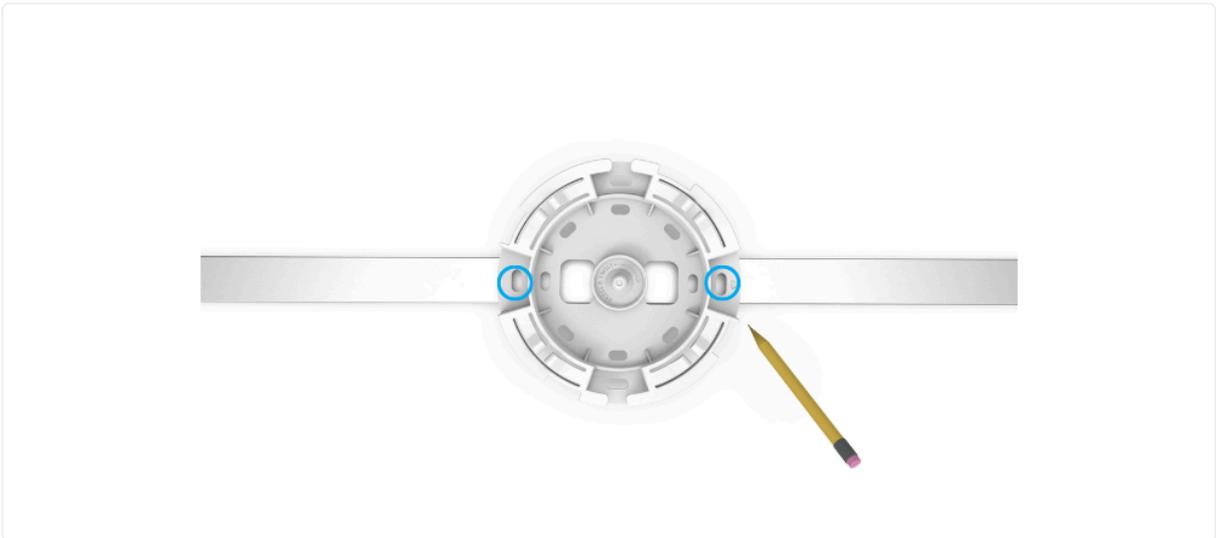
Status	LED Color/ Behavior
Connecting to Cloud	Orange Flashing (0.5 Sec)
Cloud Connected	Blue Solid on (5 Sec)
Firmware Upgrading	Blue Flashing (0.5 Sec) <---> White Flashing (0.5 Sec)
Reset to Default	Blue Fast Flashing (0.2 Sec)
LAN Connected	Blue Breathing (3 Sec)
2.4GHz Radio On	Yellow Breathing (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

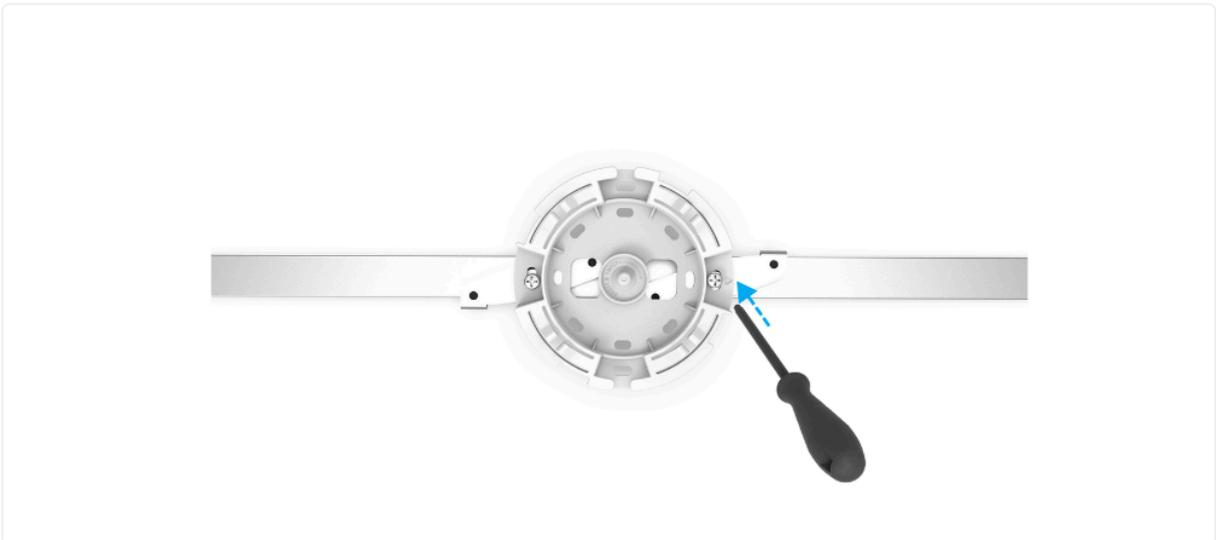
1. Use the outermost screw hole of the **Bracket** to mark the distance where the T-bar should be fixed on the **T-rail**.



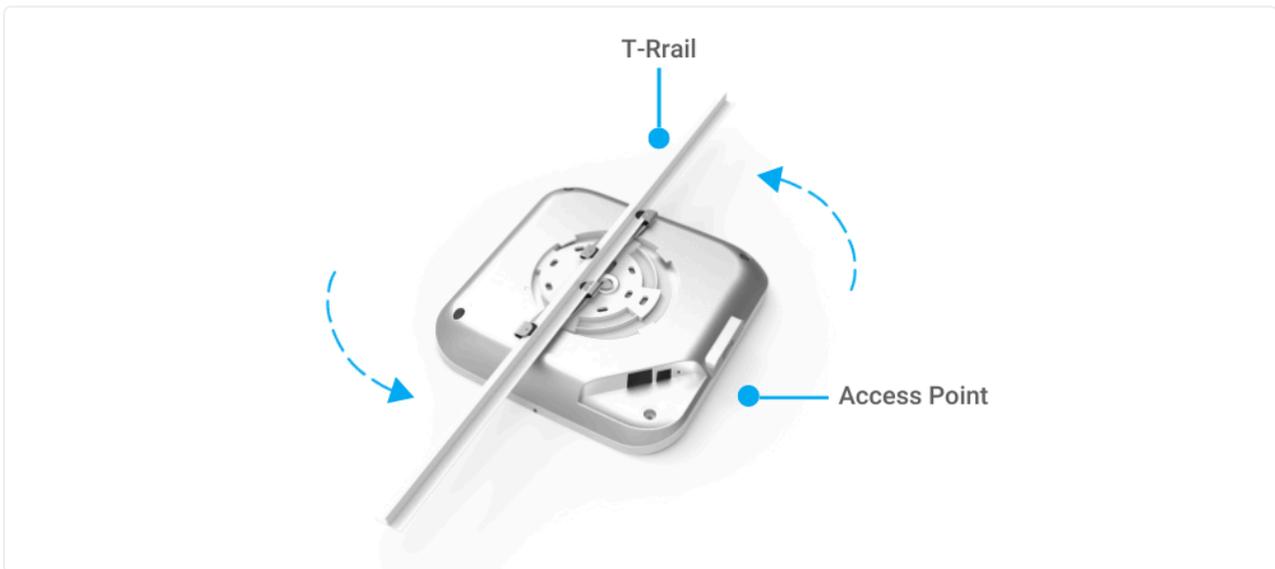
2. Loosen the fixed screws on the T-bar with an L-wrench. Align the center screw hole of the T-bar with the position just marked on the **T-rail**, then tighten the fixed screws on the T-bar using the L-wrench.



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

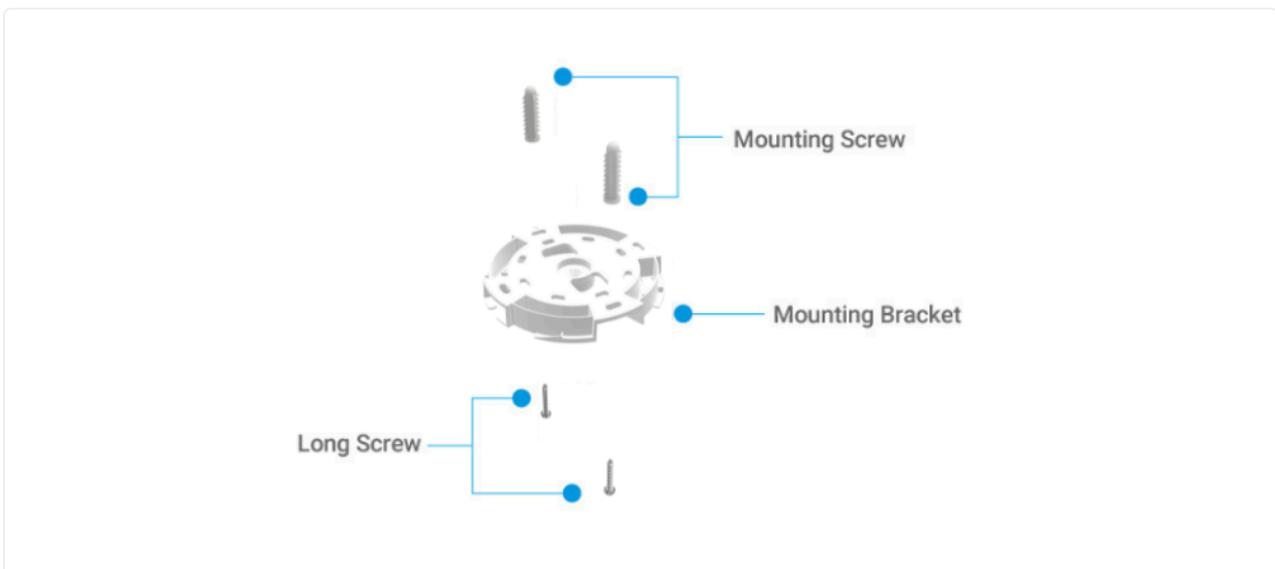


4. Mount the **Access Point** on the **Mounting Bracket** by rotating the unit clockwise about 45 degrees to secure it in place.



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**.

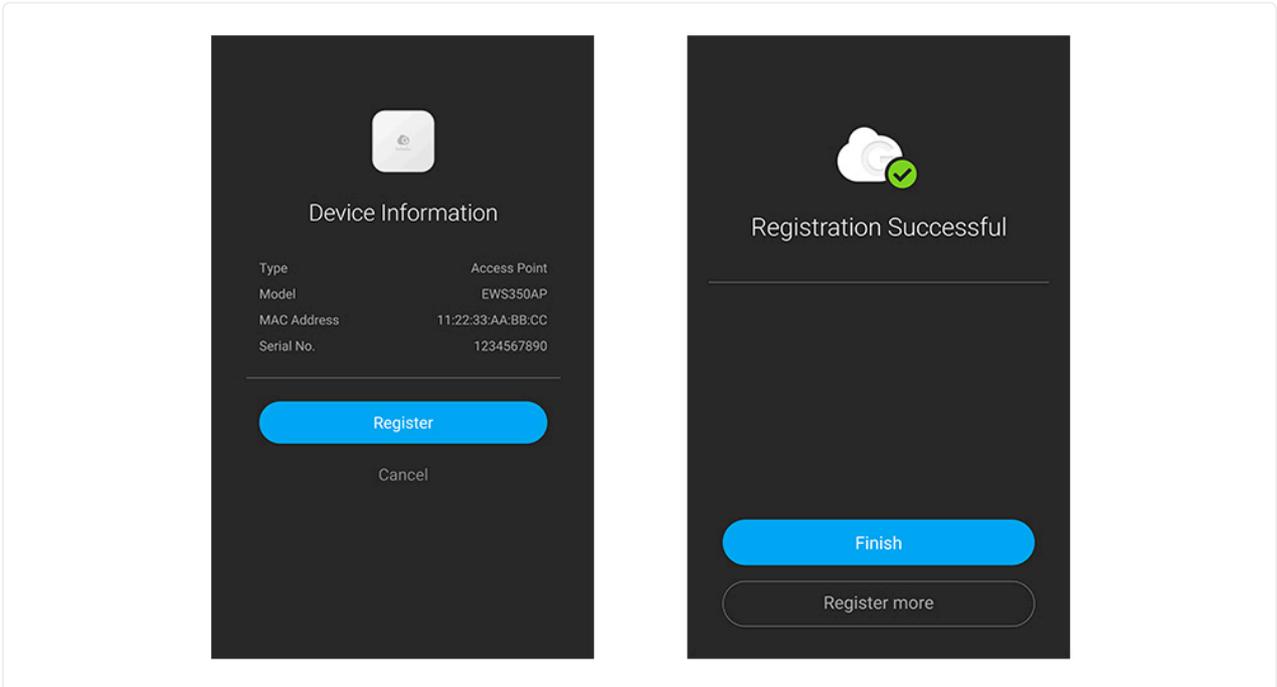
Cloud To-Go Mobile App

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

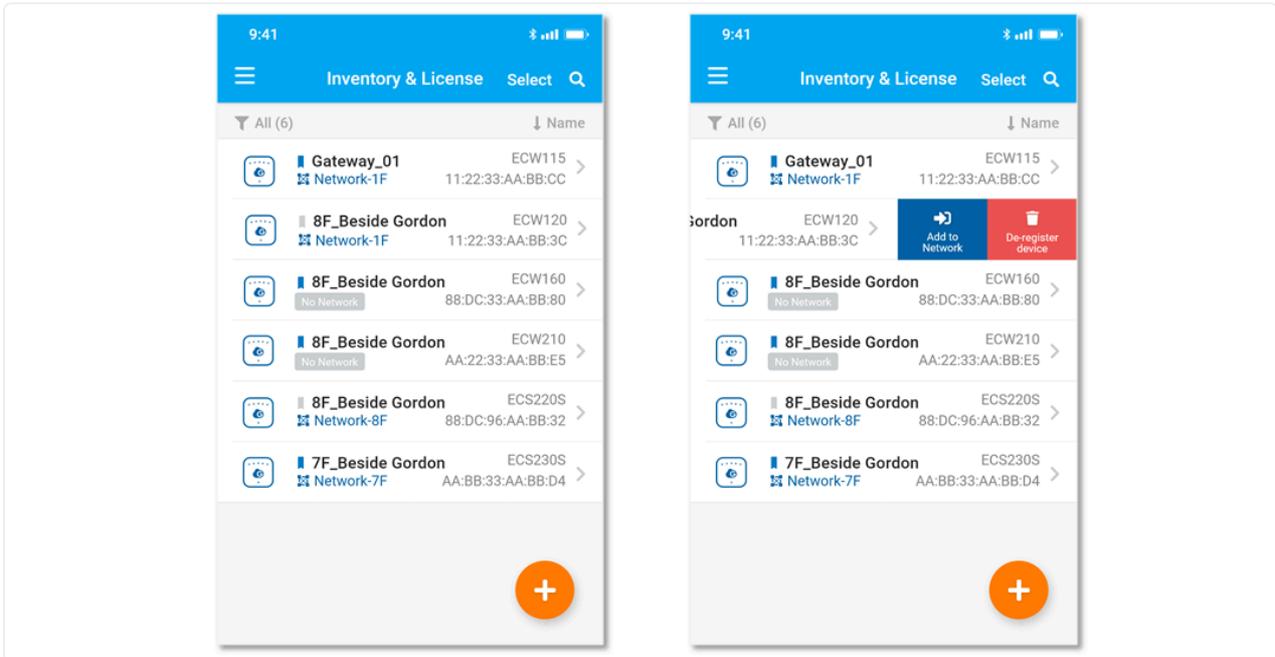
3. If the camera successfully scans a QR code, the app will display the device Information. You can tap "Register" to complete the Registration.



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.

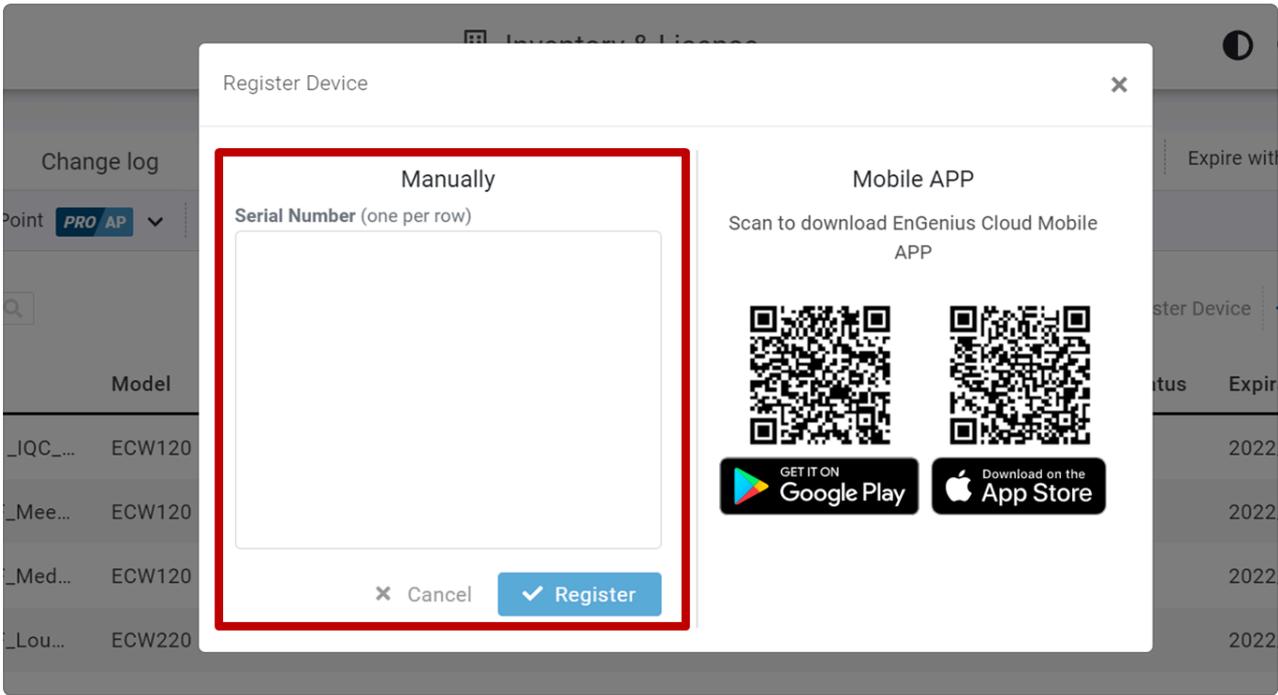
 **Network:** Management domain shared same configurations within EnGenius Cloud.



Assign device to a managed Network

EnGenius Cloud Platform

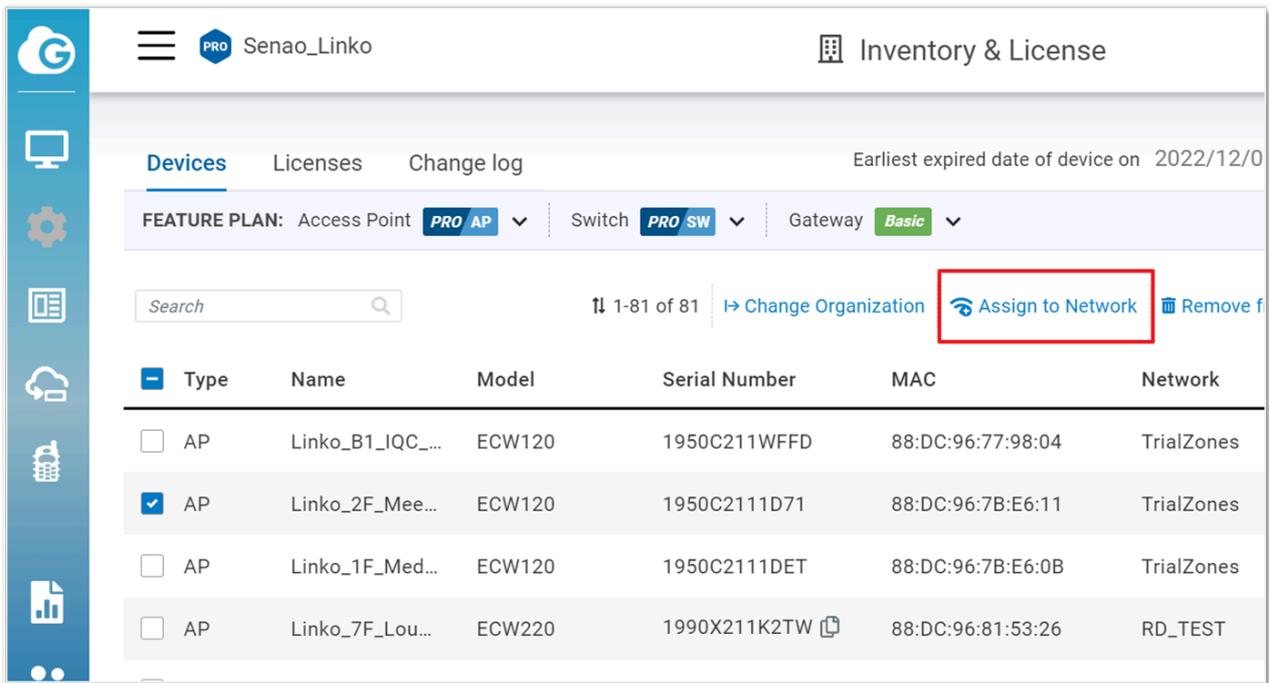
1. Log in to the **EnGenius Cloud Platform**: <https://cloud.engenius.ai/>.
2. Go to the *home > Inventory&License* page and click "**Register Device**".
3. Enter the **Serial Number** of the device(s) for device registration. Please refer to "[User Manual-Registering Devices to Organization](#)".



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

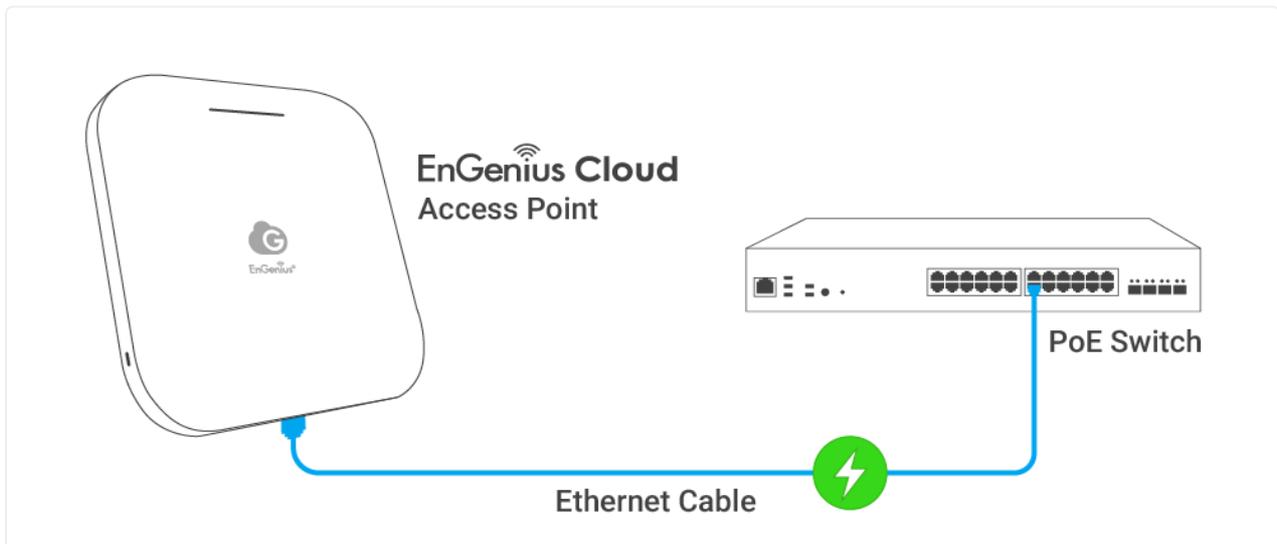
The EnGenius Cloud AP devices can be powered by any of the following:

- EnGenius Cloud PoE Switch or 802.3af/ 802.3at PoE+ compliant Switch
- EnGenius PoE adaptor (EPA5006GP/EPA5006GAT)
- Power Adapter (DC 12V/2A 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

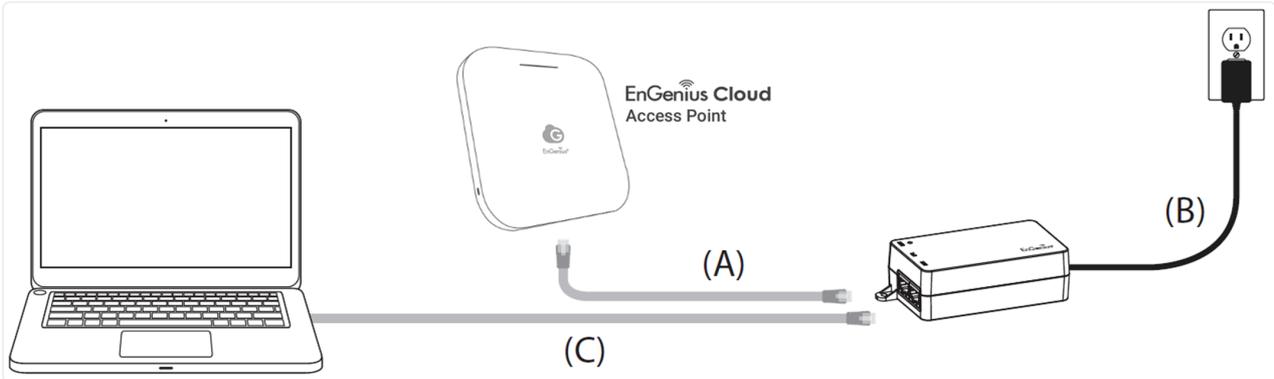
Powered with a PoE Adapter

(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

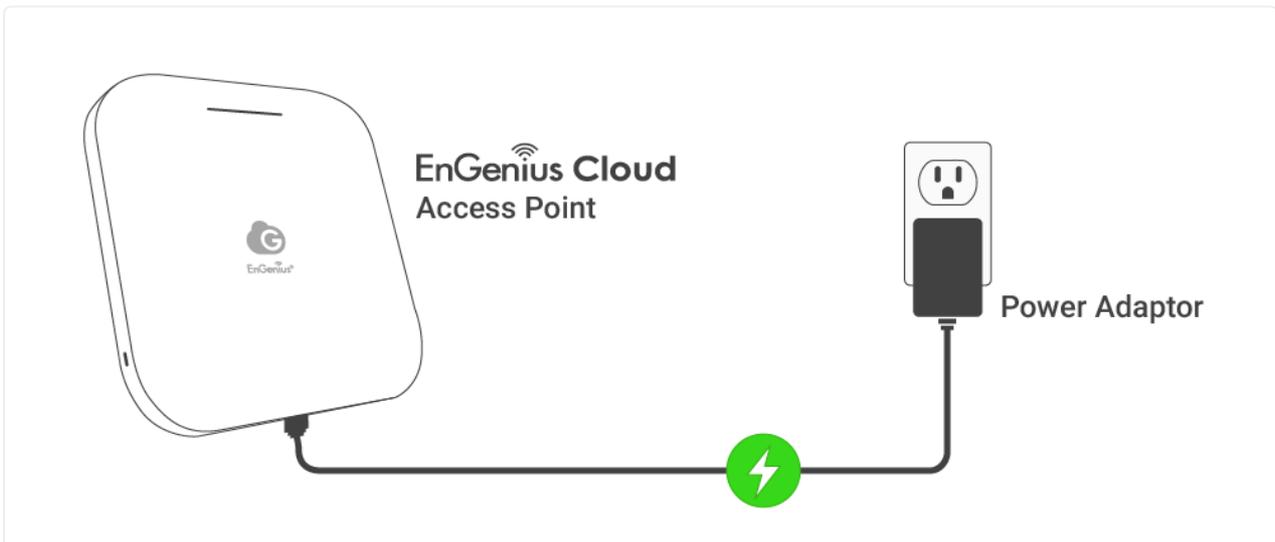
Adapter and the other end to the Ethernet port on the computer.

i 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

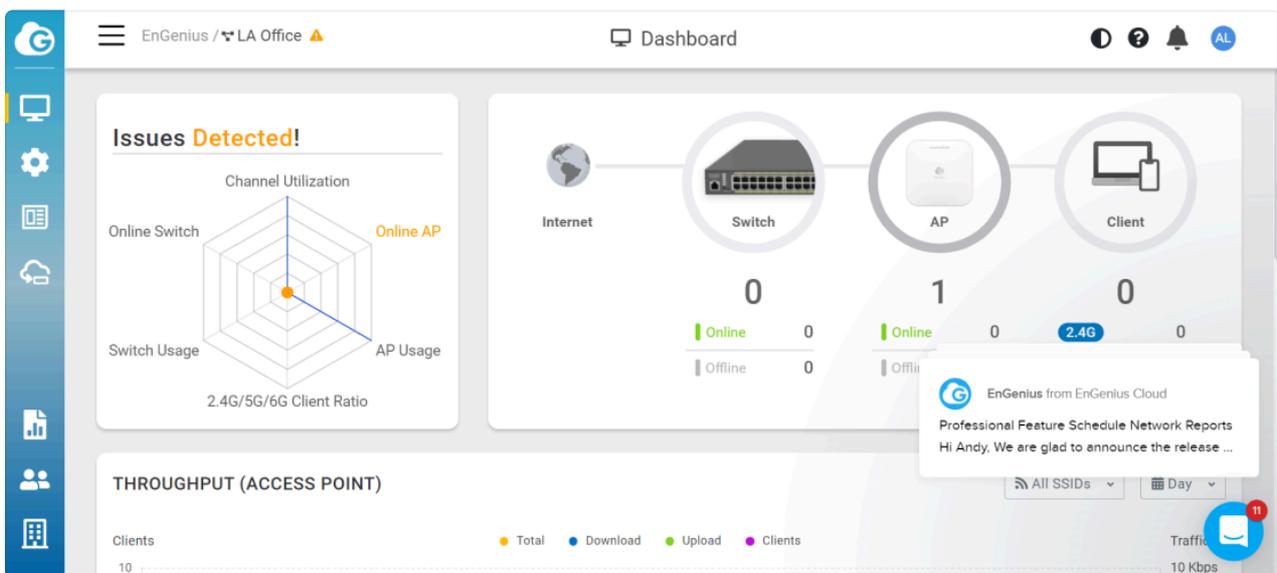
Once the device is powered on and ready to connect to the Internet, the **LED indicator** will stay **Solid On**, which means the device is now connected to the EnGenius Cloud

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.

The screenshot displays the EnGenius Local Status Page. At the top, there is a header with the EnGenius logo, a 'Local Status Page' tab, and a language dropdown set to 'English'. Below the header, the main content area is titled 'Network Settings' and includes 'Reboot' and 'Reset' buttons. Under 'Network Settings', there are two sub-sections: 'Device Overview' and 'Registration Overview'. 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 contains a table with the following data:

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

Below these sections is the 'Network Connectivity' section, which shows the following status:

- 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 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.

The screenshot shows the 'Local Status Page' for an Engenius device. The 'Network Settings' section is active, with sub-sections for IPv4, IPv6, Management VLAN, Web Proxy, and EPC Controller. The 'IPv4 Settings' section has 'Use Static IP' selected. The 'Management VLAN Settings' section has 'Untagged' selected and 'VLAN ID' set to 300. The 'Web Proxy Settings' section has 'HTTP/HTTPS Proxy' selected, with 'Address' set to 192.168.10.25 and 'Port' set to 80. The 'EPC Controller Settings' section has an empty 'Address' field. The 'Firmware Upgrade' section has a 'Choose File' button and an 'Upload' button.

English

Network Settings

Device Status [Local Setting](#) [Reboot](#) [Reset](#) [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](#)".