EnGenius ECW526 Cloud7 2x2x2 Networks User Guide

Contents

EnGenius

EnGenius ECW526 Cloud7 2x2x2 Networks

Product Information

Specifications

- Compliance: FCC Part 15, IC licence-exempt RSS(s)
- Country Code Selection: Feature disabled for products in US/Canada
- Certifications: CAN ICES-003(B) / NMB-003(B)

Product Usage Instructions

Compliance Guidelines

- Ensure that any changes or modifications to the product are approved by the responsible party to maintain compliance.
- Do not co-locate this device and its antenna(s) with any other antenna or transmitter.

Operation Conditions
Operate the device under the following conditions

1. This device should not cause harmful interference.
2. Accept any interference received, including that which may cause undesired operation.

IC Licence-Exempt Transmitter/Receiver
For devices containing IC licence-exempt transmitter(s)/receiver(s)

1. Avoid causing interference.
2. Accept any interference, even if it leads to undesired operation.

Country Code Selection
The Country Code Selection feature is disabled for products marketed in the US/Canada to comply with regulations.

Frequently Asked Questions (FAQ)

- **Q: What should I do if I encounter interference while using the device?**
  - A: If interference occurs, ensure the device is operated in compliance with guidelines. Accept any interference and adjust positioning if necessary.
- **Q: Can I enable the Country Code Selection feature for devices in other regions?**
  - A: No, the Country Code Selection feature is disabled for products marketed in the US/Canada due to regulatory requirements.

ECW526 QSG

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.

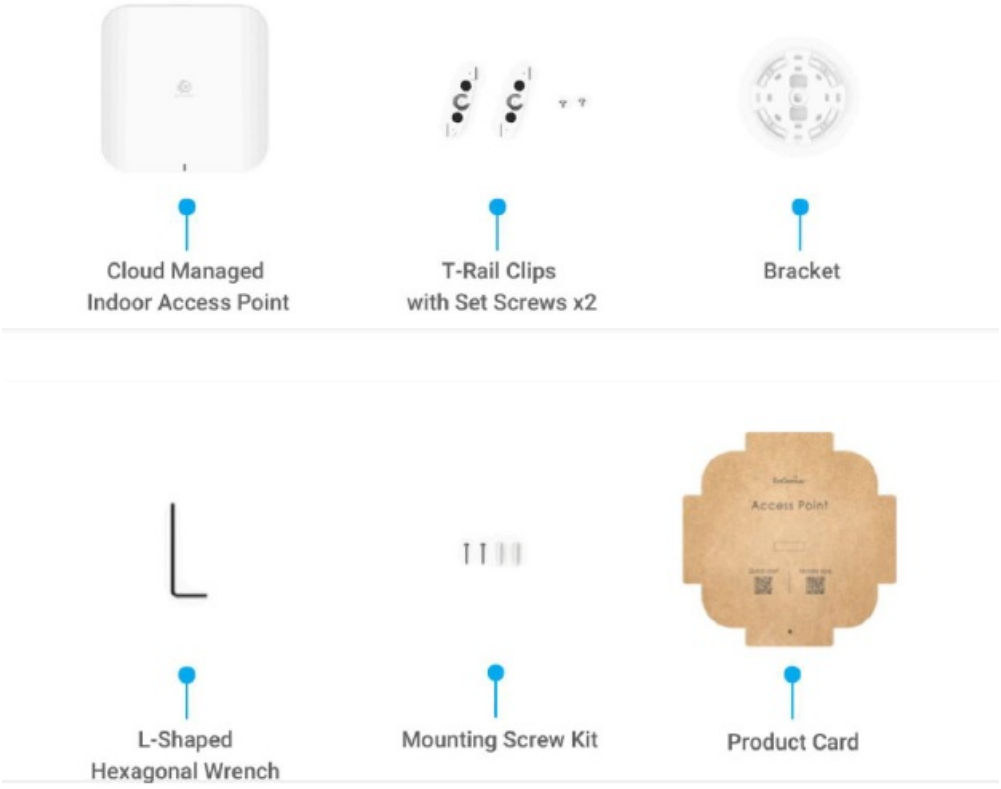
Model; ECW526

- 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)

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.

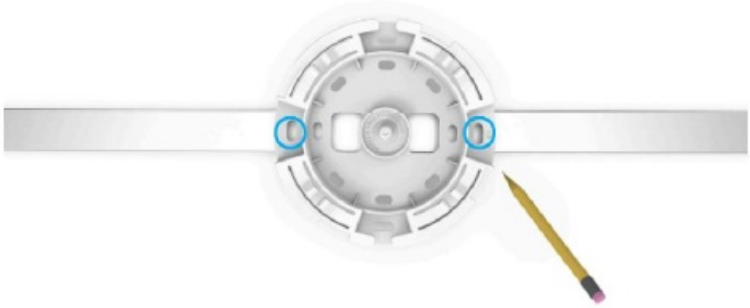
LEDs

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

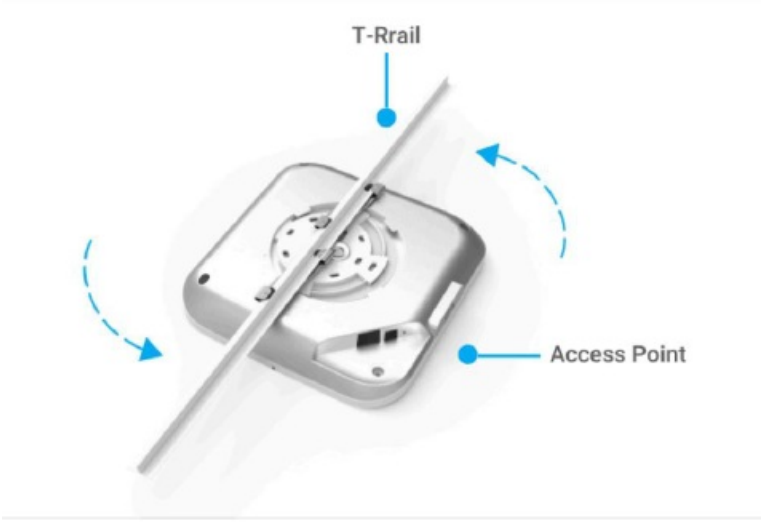
1. Use the outermost screw hole of the Bracket to mark the distance where the T-bar should be fixed on the T-rail.



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-rafl, then tighten the fixed screws on the T-bar using the L-wrench.

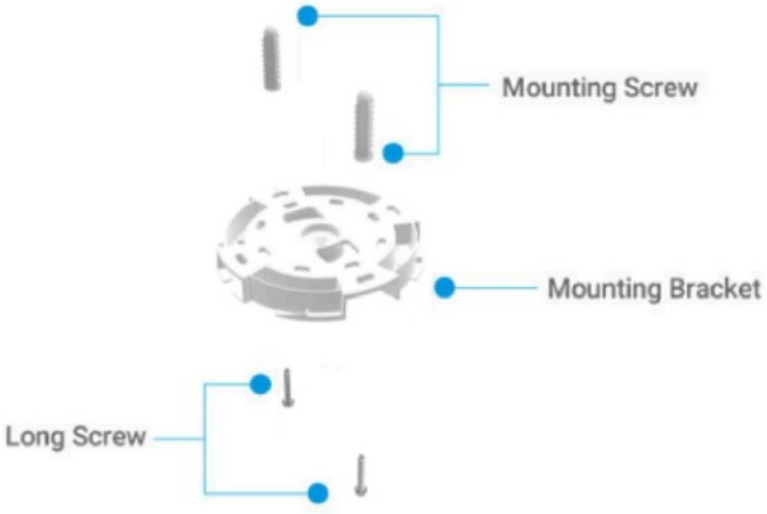
3. Use the Short Screws from the accessory to fix the Bracket onto the T-bar.

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

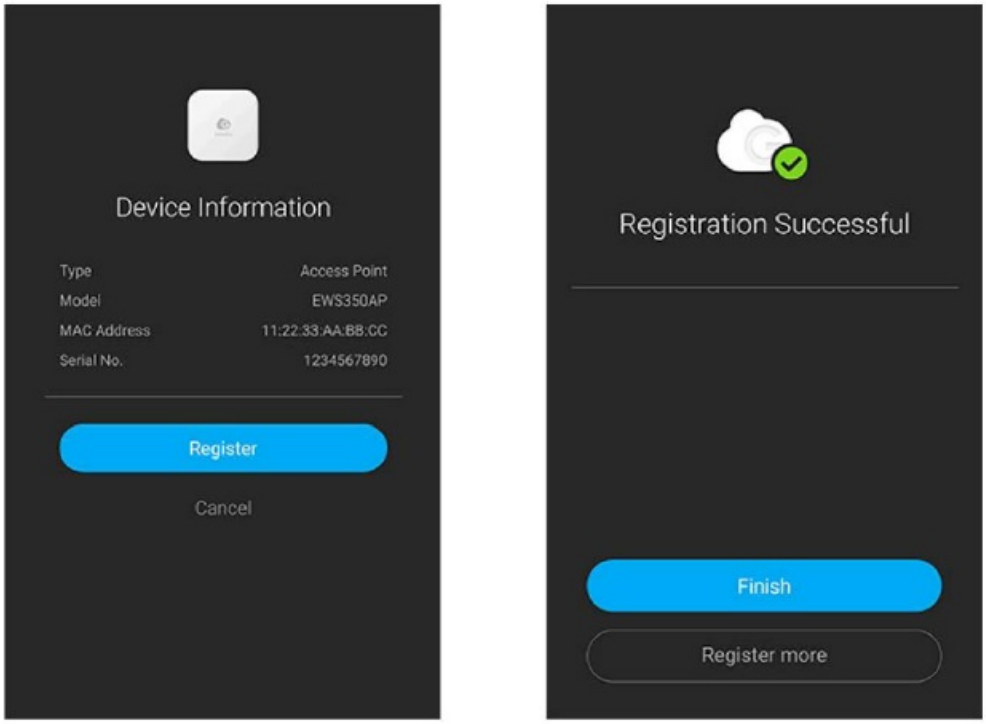
Step1: Register the Device and Assign to the Network
You can register the device either by the Cloud To-Go mobile app or the EnGenius Cloud platform.

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

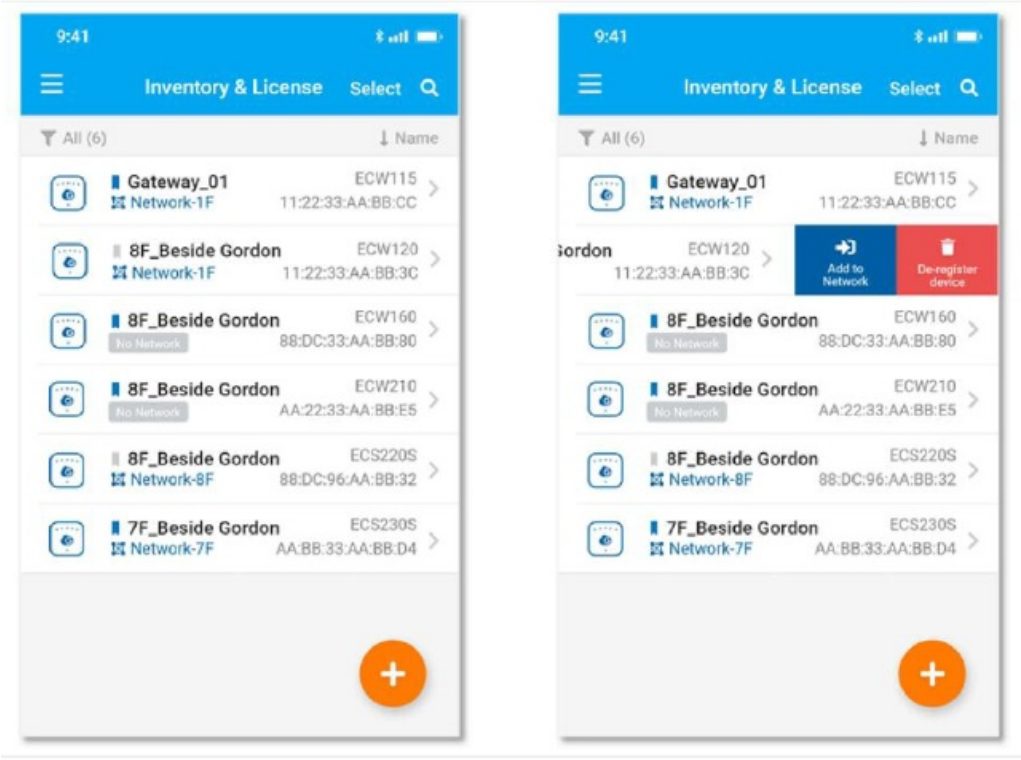
3. If the camera successfully scans a QR code, the app will display the device Information. You can tap “Register” to complete the Registration.



Device registration

4. Registered devices will be shown on the Inventory&License page. Slide left the device and click “Add to Network’t Add the device to your personalized Network.

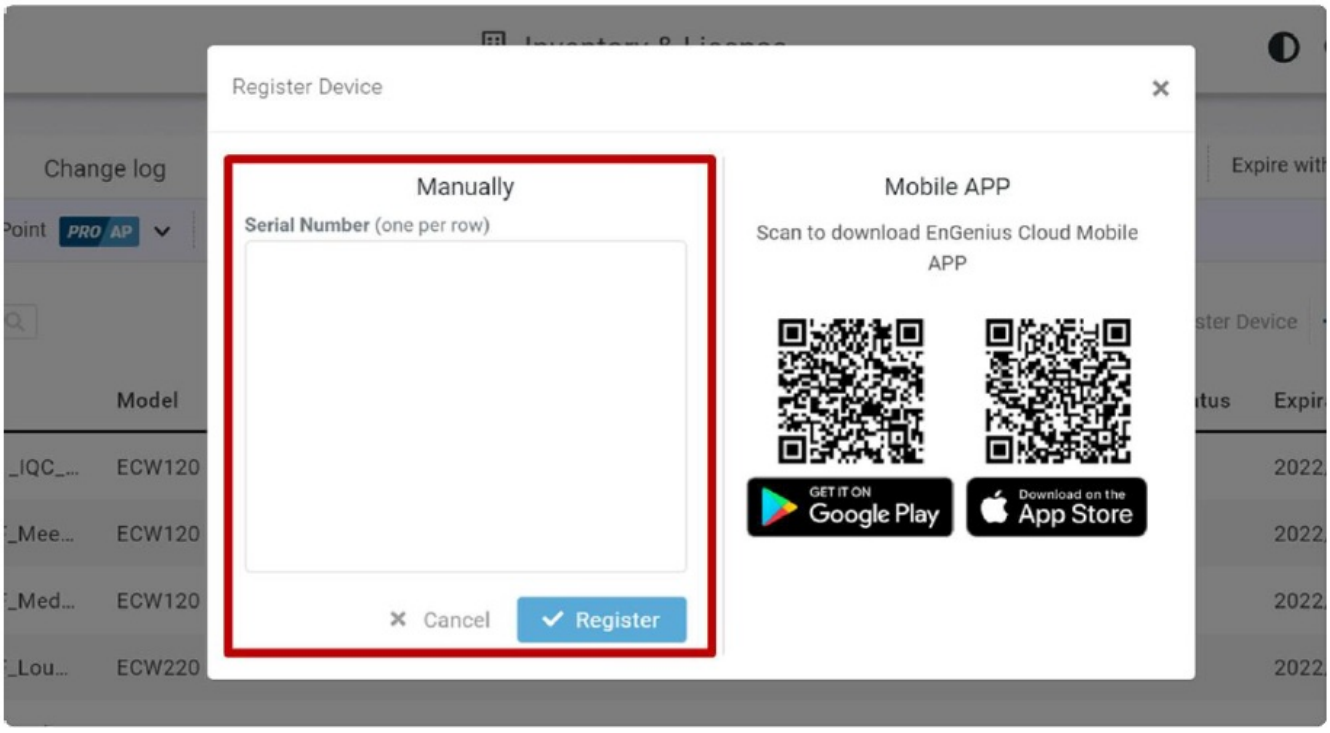
Network: Management domain shared same configurations within EnGenius Cloud.



Assign device to a managed Network

EnGenius Cloud Platform

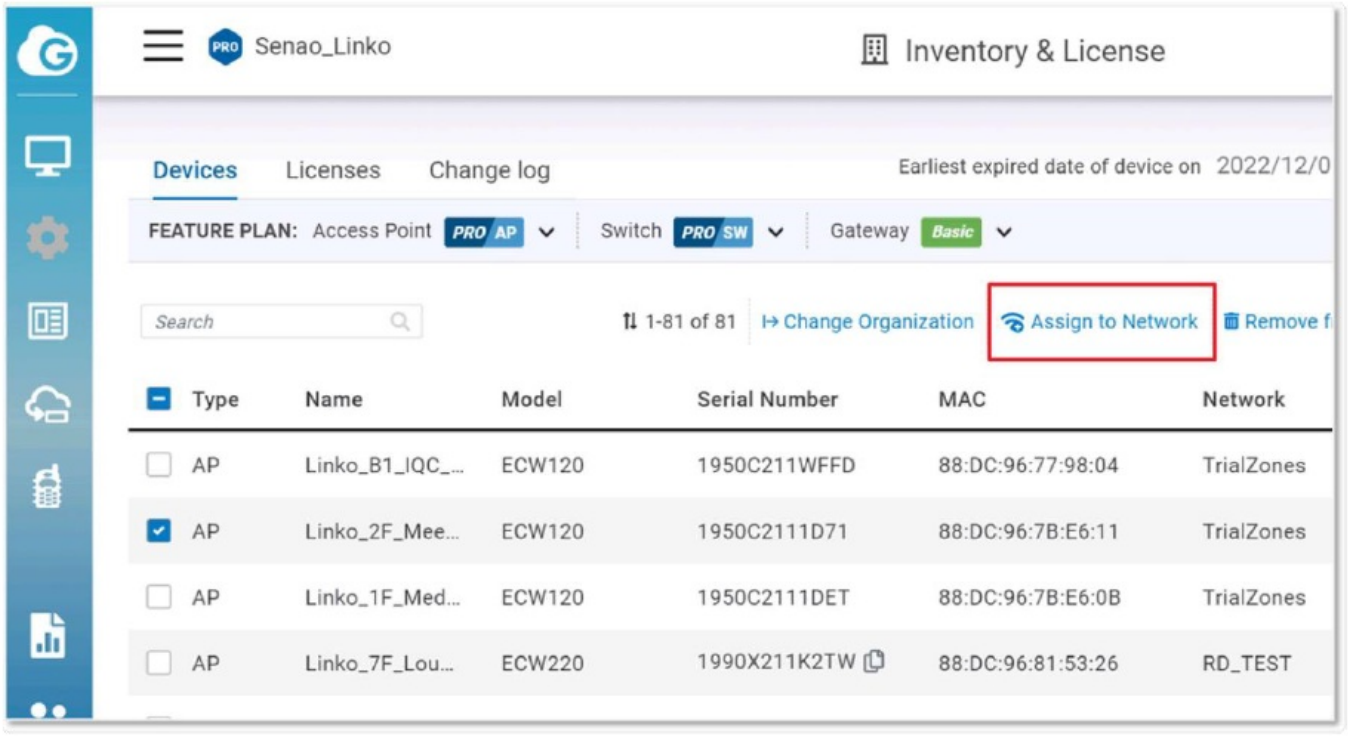
1. Log in to the EnGenius Cloud Platform:
2. Go to the home > Inventory&License page and click “Register Device”.
3. Enter the Serial Number of the device(s) for device registration. Please refer to “User Manual-Registering Devices to Organization”.



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.



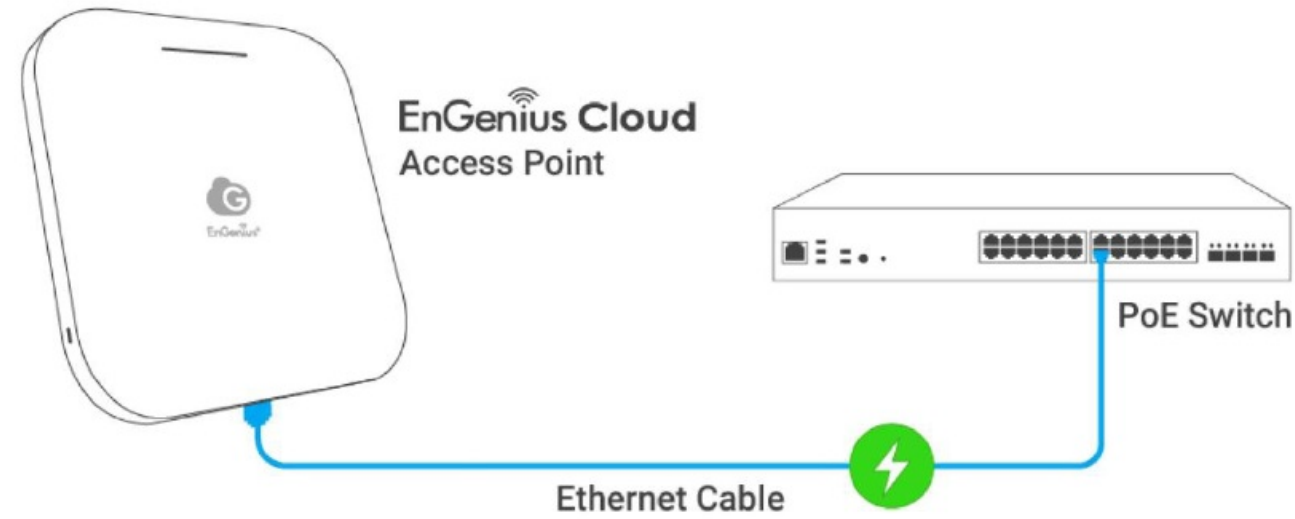
Assign selected device(s) to a managed Network

Step2: Power On Device
The EnGenius Cloud AP devices can be powered by any of the following:

- EnGenius Cloud PoE Switch or 802,3qf/ 802,3qt PQE+ compliant Switch
- EnGenius POE adaptor (EPA5006GP/EPA5006GAT)
- Power Adapter (DC 12V/2A powerinput)

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.



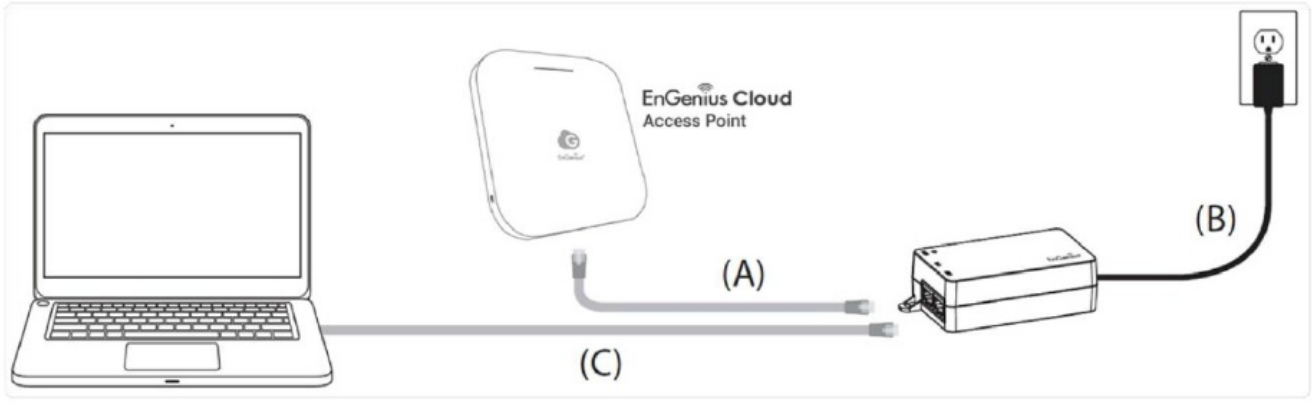
AP is powered by a PoE Switch

Powered with a POE Adapter

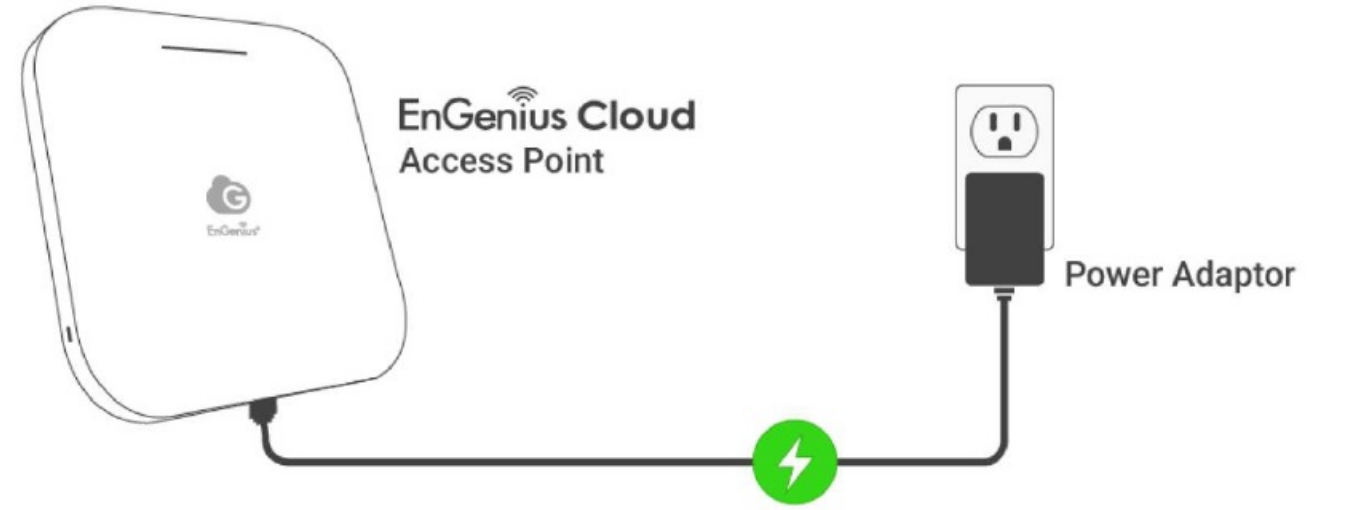
- Connect one end of the Ethernet cable into the LAN (POE) port of EnGenius Cloud AP and the other end to the POE port on the POE Adapter.
- Connect the power cord with the POE Adapter and plug the other end into an electrical outlet. (C) Connect the second Ethernet cable into the LAN port of the POE

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,



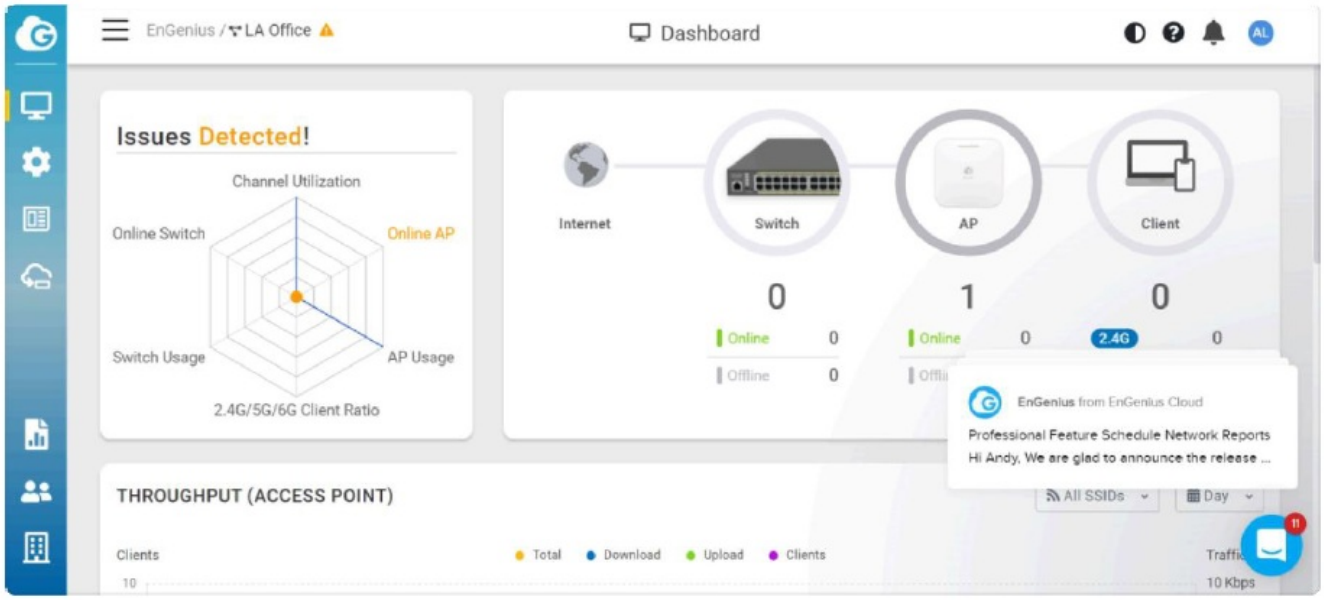
AP is powered with a power adapter

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



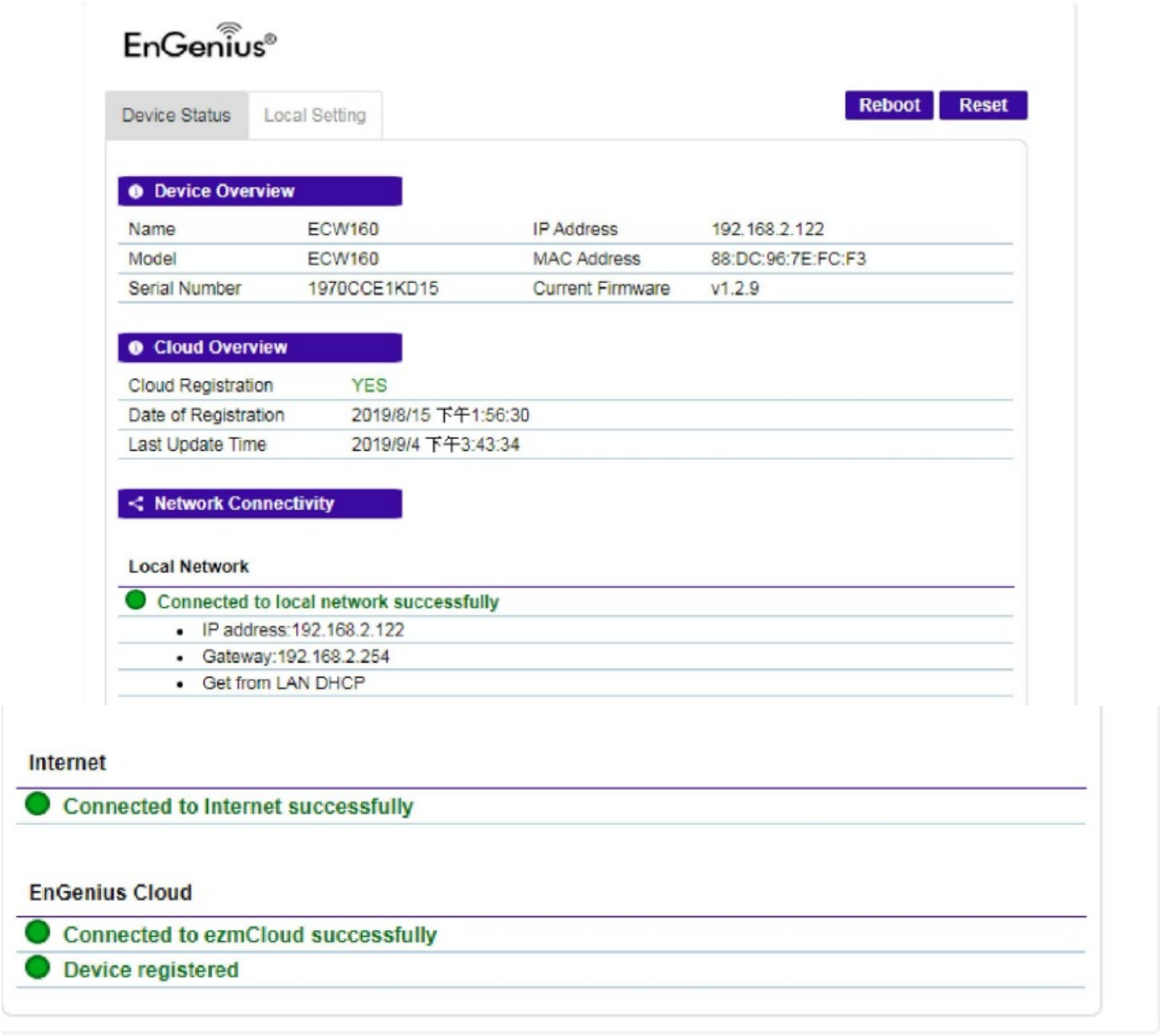
EnGenius Cloud Dashboard

Troubleshooting

If the EnGenius Cloud Platform cannot manage your AR 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: xxxx" (xxxx is the last four digits of MAC – MAC would be found on the "EnMGMT back of the device) and connect to.
2. Under your web browser, enter the URL http://EnGeniu$, 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.

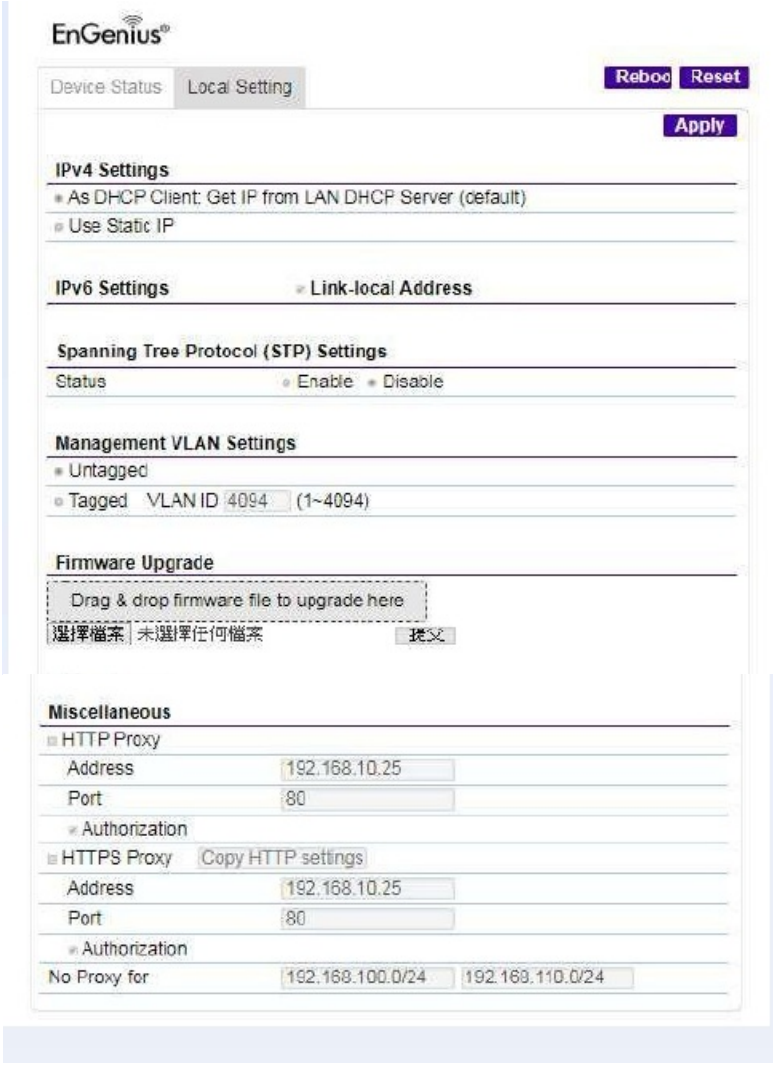


ECW AP's Local Access Page

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 P setting, including IP address, subnet mask, gateway, proxy, and management VLAN. Ifthe issue still exists, you may change your IP assignment from “DHCP mode” to “Static IP” viq the following procedure.

1. Go to the Local Setting section.
2. Change IPv4 settings to “Use Static
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”.

Technical Support

- Country of Purchase
- North America
- North America
- Africa / CIS /
- Middle East
- Asia / Oceania

- Taiwan

Service Center

- Los Angeles,
  USA
- Canada
- Netherlands
- Dubai, UAE
- Singapore
- Taiwan, R.O.C

Service Information

- **cloud.engenius.ai**
- **support@engeniustech.com**
- **cloud.engenius.ai**
- **support@engeniustech.com**
- **support@engeniusnetworks.eu**
- **support@engenius-me.com**
- **Local**: (+971) 4 3391227
- **techsupport@enqeniustech.com.sg**
- **Local:** (+65) 62271088
- **twsupoort@engeniusnetworks.**

Compliance FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential distillatory This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

(If device is outdoor AP, please delete it. If device is indoor AP, need to add it.)
This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator your body.

CE
The device complies with Directive 2014/53/EU issued by the Commission of the European Community.

Standards

- ETSI EN 300 328 V2.2.2 (2019-07)
- ETSI EN 301 893 V2.1.1 (2017-05) Final mift
- ETSI EN 303 687 VO.O.20 (2022-03)
- EN EN ETSI
- EN 301489-1 V2.2.3 (2019-11)
- ETSI EN 301489-17 V3.2.4 (2020-09)
- EN 62368-1:2014+A11: 2017
- EN 62311: 2020

UKCA
The device is in conformity with the relevant legislation of the United Kingdom: 2017 (S.I. 2017/1206)/ Regulations 2016 (s.l. 2016/1091)/ Regulations 2016 (S.L 2016/1101)-

Standards

- EN 300 328 V2.2.2 (2019-07)
- EN 301 893 V2.1.1 (2017-05) Final Draft
- EN 303 687 VO.O.20 (2022-03)
- EN 301489-1 V2.2.3 (2019-11)
- EN 301489-17 V3.2.4 (2020-09)
- EN 62368-1:2014+A11: 2017
- EN 62311: 2020
- 182030

Declaration of Conformity
Hereby, EnGenius Networks declare that this product is in with:

- Directive 2014/53/EU
- Regulations 2017 (s.l. 2017/1206)/ Regulations 2016 (s.l. 2016/1091)/ Regulations 2016 (s.l. 2016/1101)

- RoHS 2015/863
- WEEE 2022
- REACH Regulation

Disclaimer/ Note
Maximum data rates are based on the IEEE standards, Actual throughput and range may vary depending on many factors including environmental conditions, the distance between devices, radio interference in the operating environment, and the mix Of devices in the network.

- Features and specifications are subject to change without notice.
- This device complies with Part 15 of the FCC Alles-

  Operation is subject to the following two conditions

  1. this device may not cause harmful interference, and
  2. this device must accept any interference received, including interference that may cause undesired operation.
- Trademarks and registered trademarks are the property of their respective owners.

Compliance FCC
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Pan 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio./ technician for help.

FCC Caution: Any changes or not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna transmitter.

FCC regulations restrict the operation of this device to indoor use only.

The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet in the 5.925-6.425 GHz band.

Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

FCC Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for uncontrolled environments This equipment should be installed and coated with a distance 20cm between the radiator & your body.

IC

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

- This equipment complies with ISED RSS-102 radiation exposure limits set forth for an uncontrolled environment- This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.
- The transmitter module may not be co-located with any other transmitter or antenna.

The Country Code Selection feature is disabled for products marketed in the IJS/Canada- CAN ICES-003(B) / NMB-003(B)

Documents / Resources

ECW526 QSG	EnGenius ECW526 Cloud7 2x2x2 Networks [pdf] User Guide ECW526 Cloud7 2x2x2 Networks, ECW526, Cloud7 2x2x2 Networks, 2x2x2 Networks, Networks

References

- User Manual