# ECS1528T

Cloud Managed 24-Port Gigabit Switch with 4 SFP+ Ports (ECS1528T)

## Introduction

This Quick Start Guide is designed to guide you through the installation of the **CloudSwitch L2Plus 24**, model **ECS1528T**, including hardware installation and configuration.

> CloudSwitch L2Plus 24
>
> **Cloud Managed 24-Port Gigabit Switch with 4 SFP+ Ports**
>
> **Model: ECS1528T**
>
> - 24 × 1G Ports for high-speed connections.
> - 4 × 10G SFP+ uplink ports for bandwidth-intensive applications.

**Content Quick Links**

Hardware Installation

Management Plane

Option A: Cloud Management

Option B: Standalone Configuration

## Package Contents



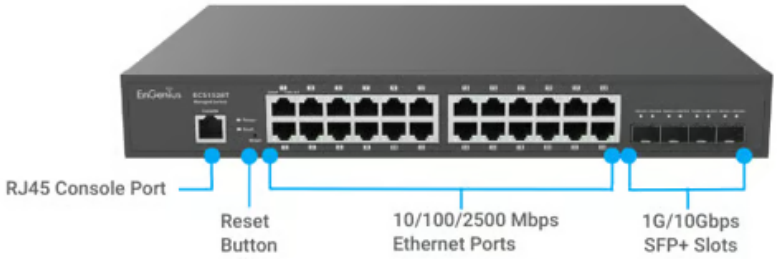

## System Requirements

### Web Browser:

- Google Chrome (57.0.2987.110 and later)
- Microsoft Edge (80.0.361.103 and later)
- Mozilla Firefox (52.0 and later)

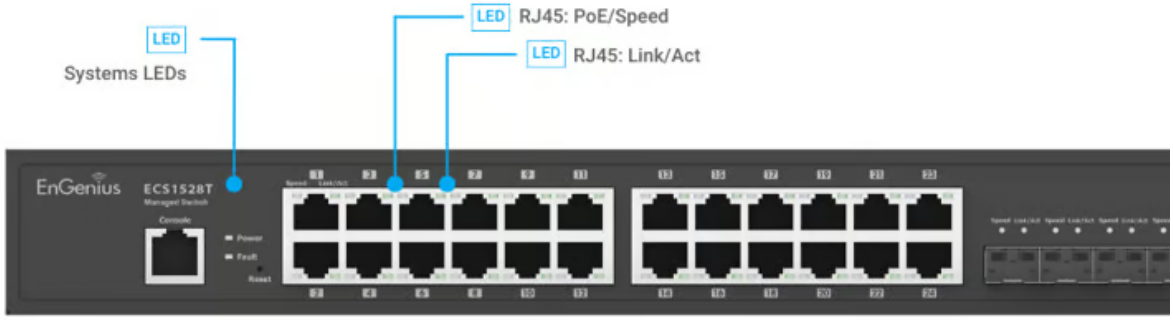
# Hardware Overview

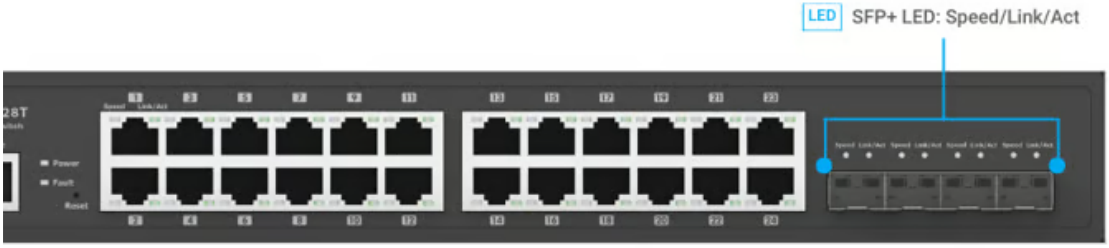
## Front Panel - Ports & Buttons




- **Reset to default:** Press and hold for over **10 seconds**, and all ports LED will go off and on. Then the device will be reset to factory default settings.

## Front Panel - System & Ports LEDs



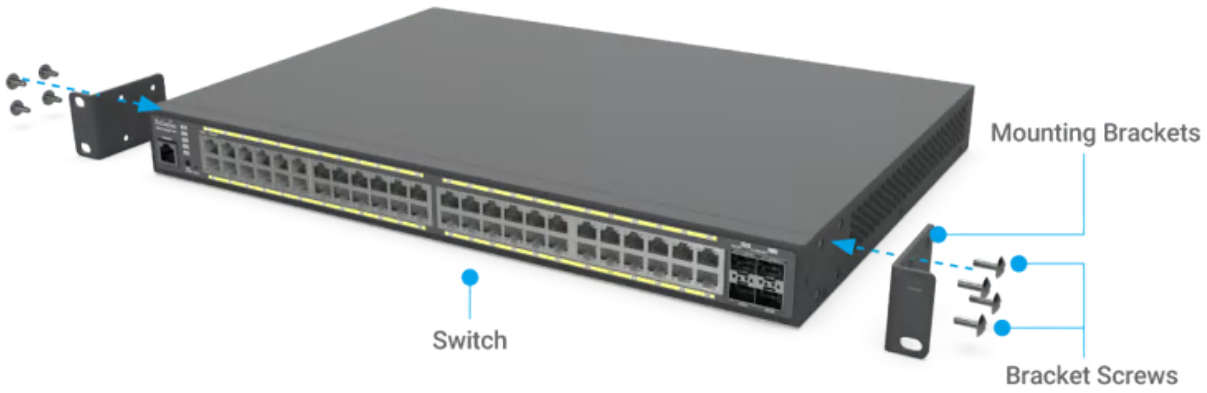
| Location | LED Indicator | LED Color | Status | Description |
|---|---|---|---|---|
| System | Power | Green | Blinking | Before system boot |
| | | | Solid On | Power On |
| | | | Light Off | Power Off |
| | Fault | Amber | Solid On | Any fault |
| | | | Light Off | Normal |
| | PoE Max | Amber | Solid On | When the total PoE output power achieves max power budget |
| | | | Light Off | System still have spare power for new PD |
| | LAN Mode | Green | Solid On | Select LED Mode to Ethernet Mode |
| | PoE Mode | Green | Solid On | Select LED Mode to PoE Mode |
| Ethernet Port | LAN Mode | Green | Solid On | Speed 1000 Mbps |
| | | Amber | Solid On | Speed 100 Mbps |
| | | Off | Light Off | Speed 10 Mbps |
| | PoE Mode | Green | Solid On | Power feeding |
| | | Amber | Solid On | Error Condition |
| | | Off | Light Off | No Power feeding |
| | Link/Act | Green | Solid On | Link |
| | | Amber | Blinking | Transmit or receive on this port |
| | | Off | Light Off | No Link |
| SFP Slot | Link/Act | Green | Solid On | Link |
| | | | Blinking | Transmit or receive on this port |
| | | | Light Off | No Link |

## Hardware Installation

The ECS1528T can be installed on the rack. Please perform the steps to install:

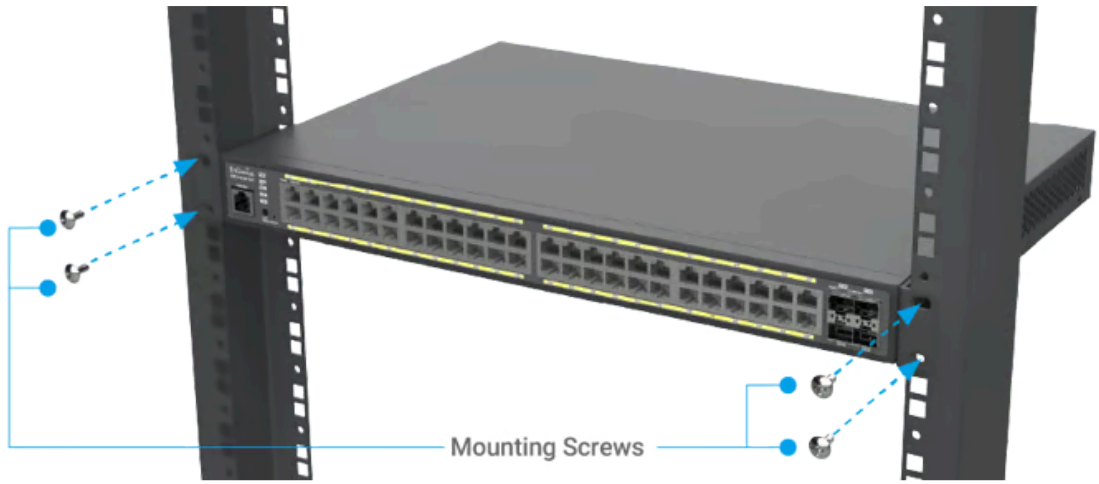
### Rack Mount

1. Attach the **Mounting Brackets** as below and fasten the brackets using the eight **Bracket Screws**.




*The display model number may be varied according to different models.

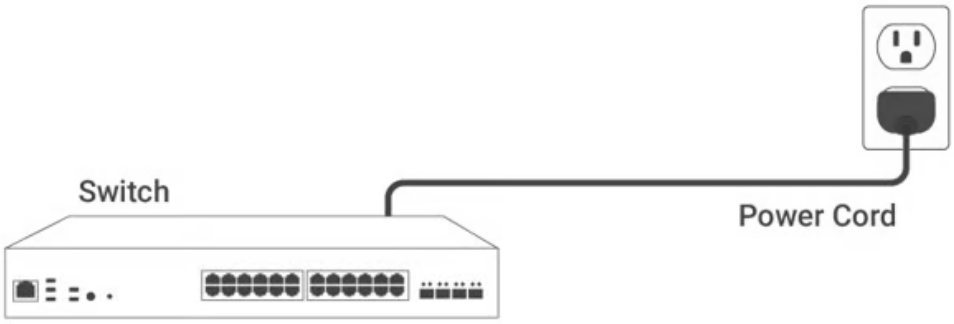
2. Secure the **Mounting Brackets** to the rack using the Mounting Screws.




*The display model number may be varied according to different models.

## Power On Device

Connect the **Power Cord** to the back of the **Switch**, and then plug the **Power Cord** into the power outlet.




## Management Plane

EnGenius Cloud To-Go provides flexibility to manage your devices based on your network planning and deployment.

Option A: **Cloud Management**

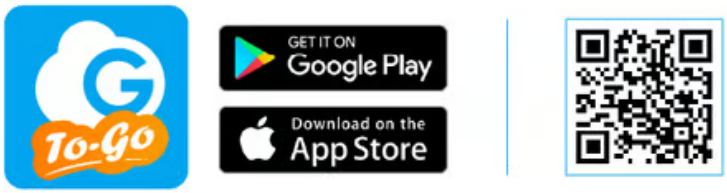
Option B: **Standalone Configuration**

### Cloud Management

Manage and monitor the switch through the **EnGenius Cloud To-Go** with a mobile app or through the web portal.

**EnGenius Cloud To-Go** (iOS/Android)

⬇️ Download the Cloud To-Go mobile app here ↗




### Standalone Configuration

You can locate the computer, connect to the same network (subnet) as the switch and use the web browser to access the device's local web GUI page for configurations whenever the device is in **Standalone mode.**

## Option A: Configure with EnGenius Cloud

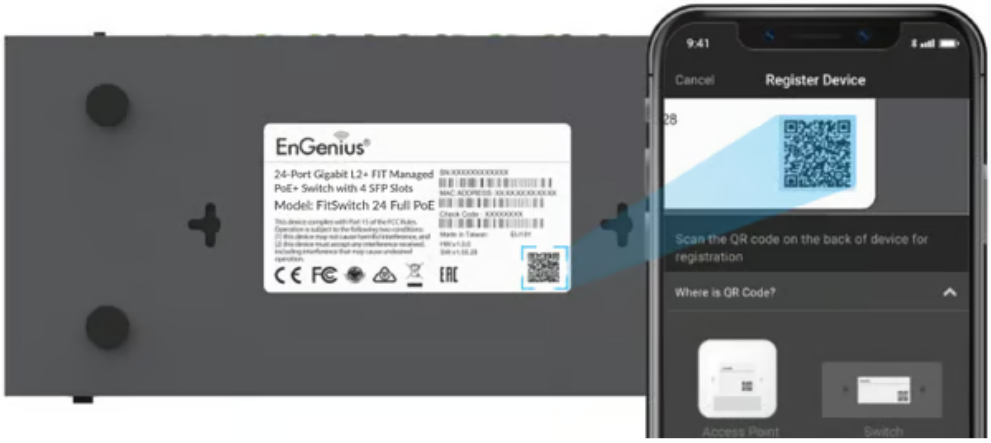
### Step1: Register Device

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

#### Cloud To-Go Mobile App

You can register the switch with the **Cloud To-Go app.**

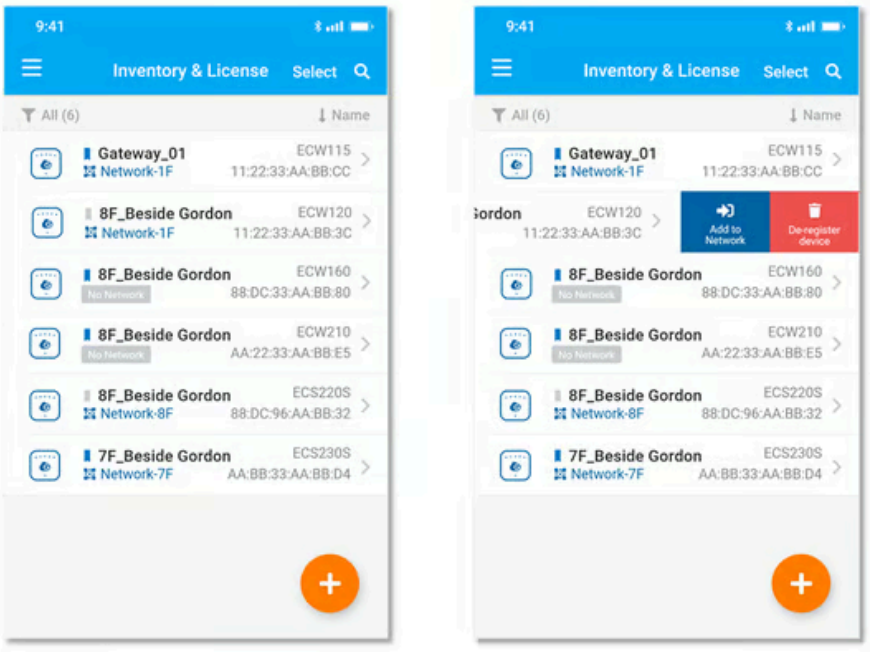
1. Open and log in to the **EnGenius Cloud To-Go** mobile app.
2. Scan the QR code on the back of the device via the app.




*The display model number may be varied according to different models.

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

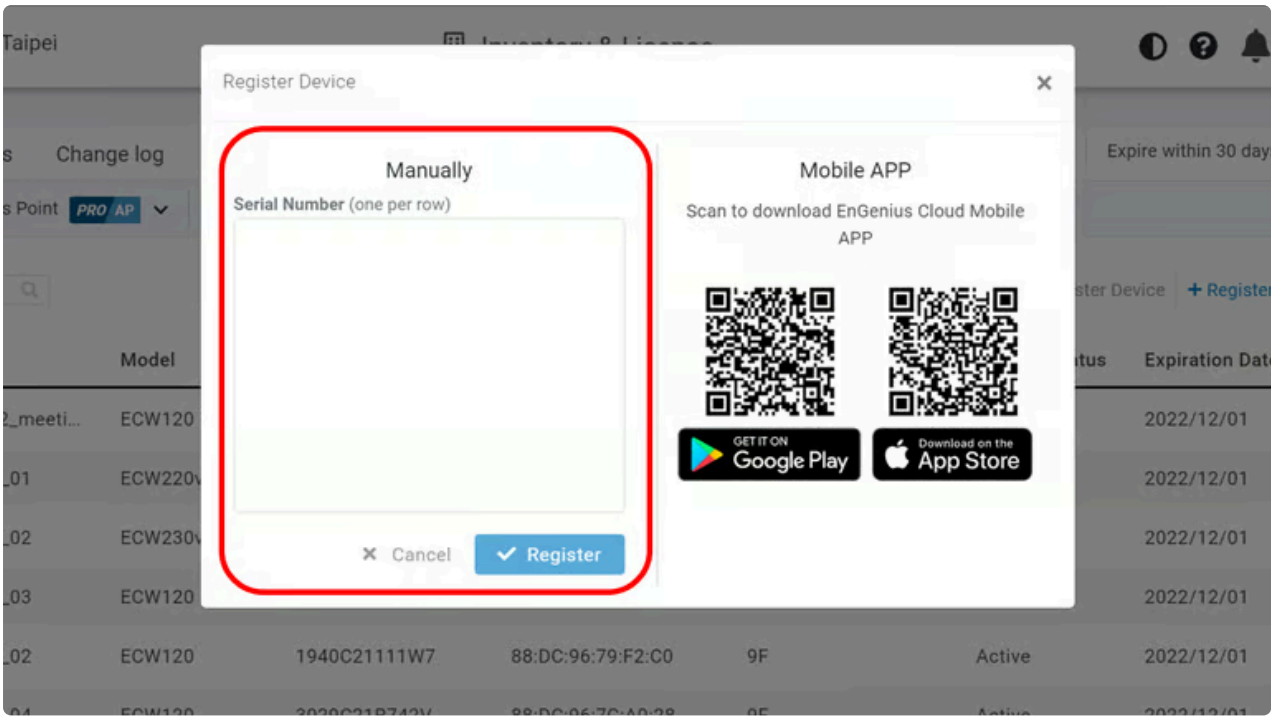



**Network**: Management domain shared same configurations within EnGenius Cloud.

## EnGenius Cloud Platform

1. Login into the **EnGenius Cloud Platform**: https://cloud.engenius.ai/

2. Go to the ***home > Inventory*** 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". ↗

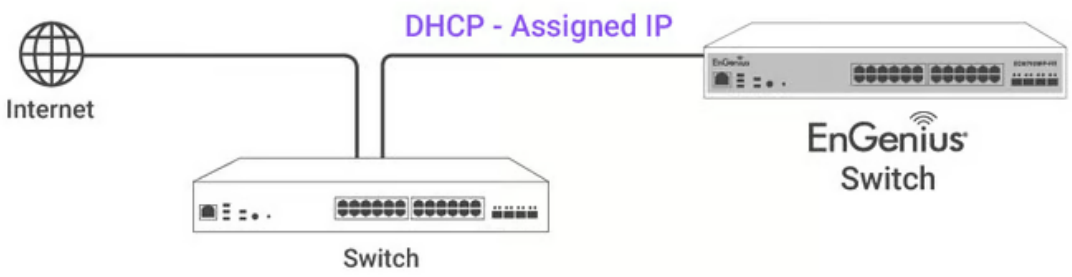



4. Select the registered device and click "**Assign to Network**" to add the device to your personalized Network.

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

## Step 2: Connect to EnGenius Cloud

Connect an Ethernet cable from your DHCP-enabled network to any port of EnGenius Cloud Switch.



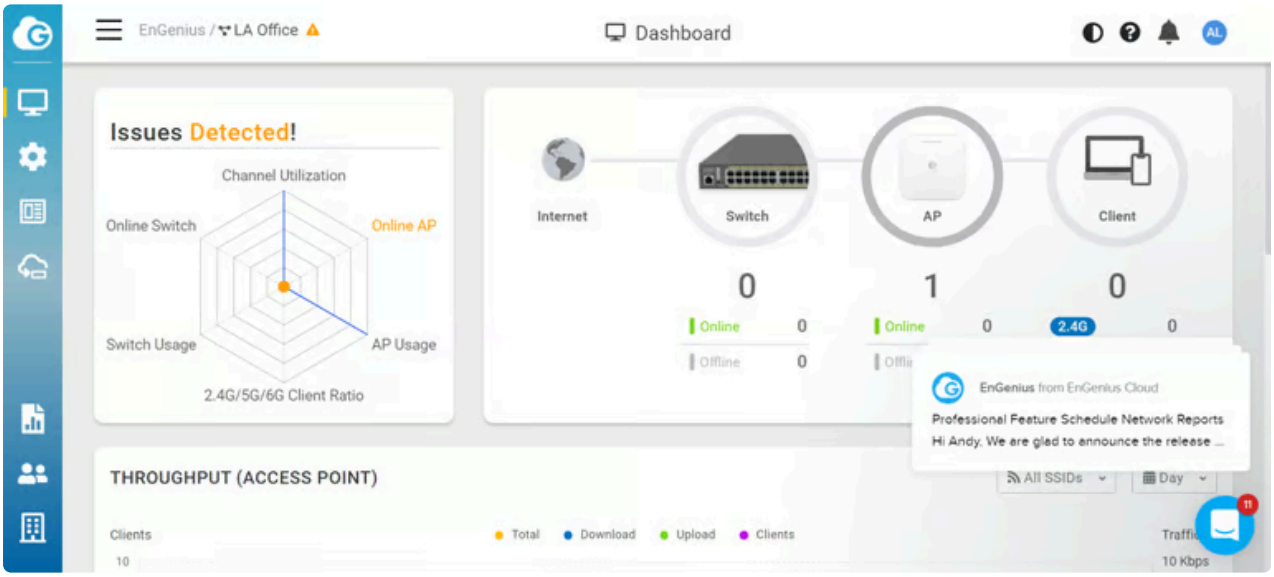
### EnGenius Cloud Connected

Once the device is powered on and ready to connect to the Internet, It will automatically download the default configuration settings from EnGenius Cloud for automated provisioning.

> When the Switch is connected to the EnGenius Cloud Platform for the first time, it will automatically check the latest available firmware. If the firmware upgrade is required, it might take **8~10 minutes** to complete the process.

## Step 3: Manage with the EnGenius Cloud

Log in to the **EnGenius Cloud ↗ Platform** to configure detailed settings. For more information, please refer to User Manual ↗.

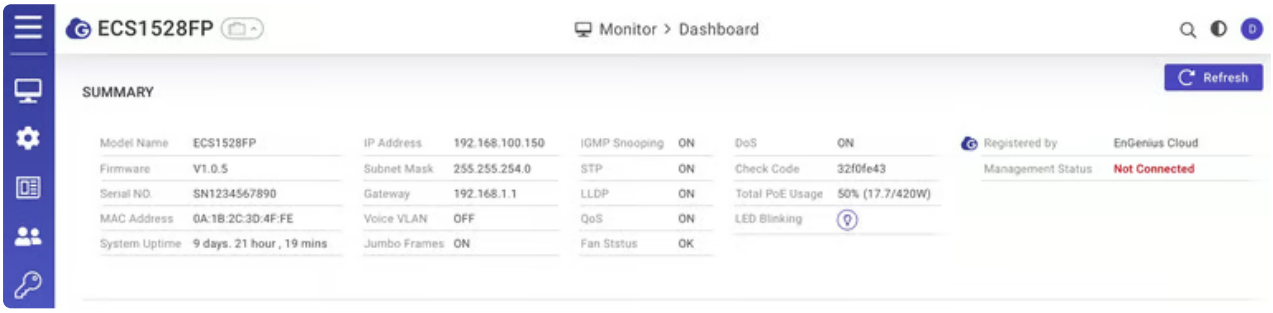



## Troubleshooting

If your Switch 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 **Switch Local Web** page:

1. Make sure that your computer is on the same subnet with the switch **(192.168.0.0/24)** and directly connect to it with an RJ-45 cable.
2. Under your web browser, enter the URL: **http://192.168.0.239** to access the Switch's local web interface.
3. You can review the device status after logging into the Switch with the default admin account/password (admin/password).
4. Check the information on the **Dashboard** and take action if necessary.

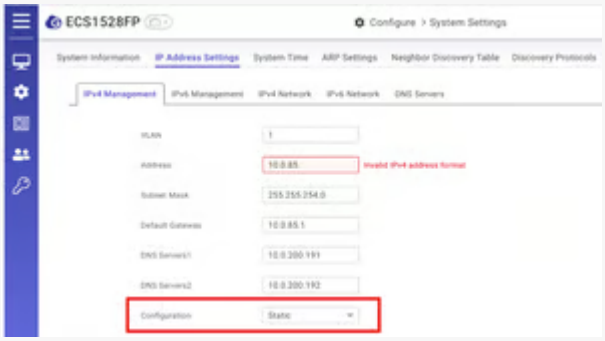



*The display model number may be varied according to different models.

### Change IP Assignment Settings

By default, the EnGenius Cloud Switch (ECS 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, DNS, and management VLAN. If the issue still exists, you may change your IP assignment from "***DHCP***" to "***Static***" via the following procedure.

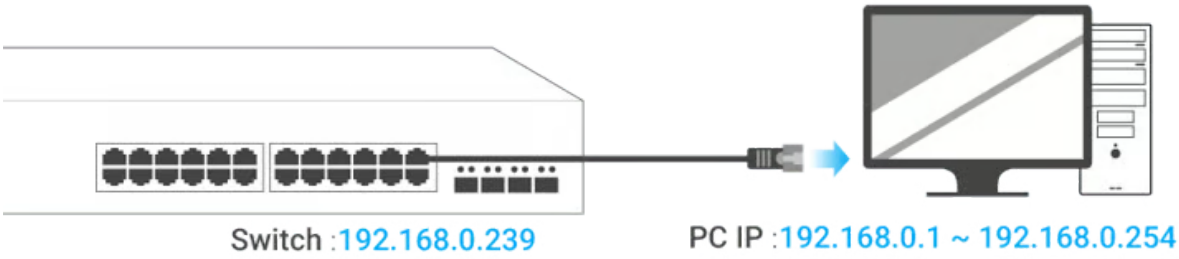
1. Go to the ***Configure> System Settings> IP Address Settings*** section.
2. Change Configuration setting to "***Static***".
3. Configure the ***IP address, gateway, subnet mask, and DNS*** settings.
4. Reconnect this Switch to the LAN network and try again



## Option B: Standalone Configuration

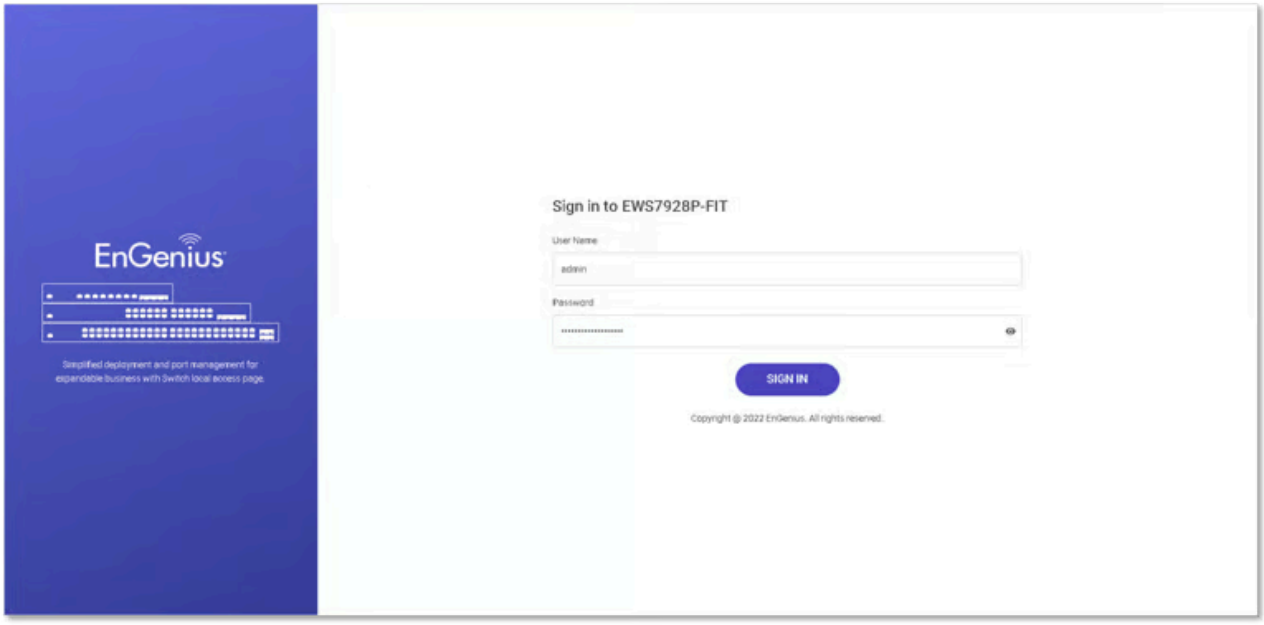
### Step 1: Access to Local Web

1. Connect your computer to the switch and ensure its IP address is in the same subnet.




2. Launch your web browser and enter the URL: **http://192.168.0.239** to access the switch's local web GUI.

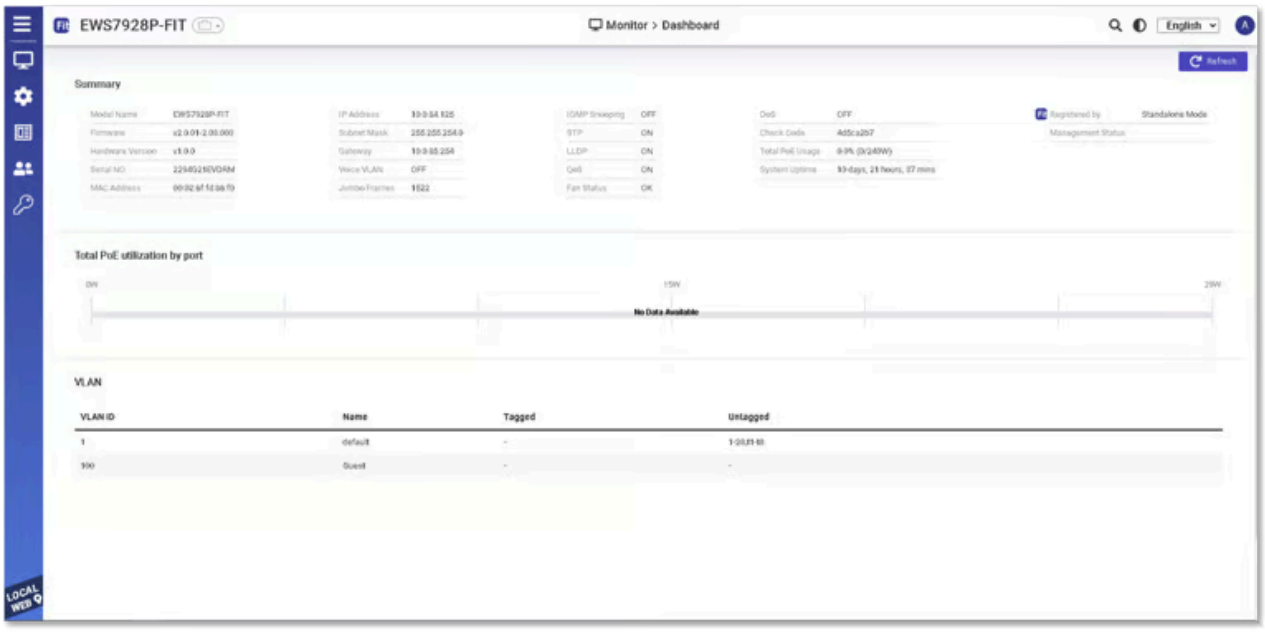
3. Use the default login credential (ID/PWD: **admin/password**) to log in to the switch's local web page.




*The display model number may be varied according to different models.

## Step 2: Configure and Manage the Device

After logging in to the device's local web page, navigate to the left-side menu to configure and manage the switch accordingly.




*The display model number may be varied according to different models.

For information on configuring the switch and using the **Standalone Configuration**, refer to the user guide: https://docs.engenius.ai/ecs-user-manual ↗

**How to Change Management Mode?**

EnGenius Cloud devices support versatile network management methods, but the device can only be managed under one management mode, either **Cloud To-Go app** or **Standalone**. Therefore, you need to **reset the device** before changing to a different management mode, followed by QSG instructions for onboarding the device.

# Appendix

## Technical Support

| Country of Purchase | Service Center | Service Information |
| --- | --- | --- |
| North America | Los Angeles, USA | cloud.engenius.ai<br>support@engeniustech.com<br>Local: (+1) 714 432 8668 |
| North America | Canada | cloud.engenius.ai<br>support@engeniustech.com<br>Local: (+1) 905 940 8181 |
| Europe | Netherlands | eusupport@engeniustech.com<br>Local: (+31) 40 8200 887 |
| Asia / Oceania / Africa / CIS / Middle East | Singapore | techsupport-sg@engeniustech.com<br>Local: (+65) 6227 1088 |
| Taiwan | Taiwan, R.O.C | support@engeniustech.com.tw<br>Local: (+886) 933 250 628 |
| Japan | Tokyo, Japan | jp.support@engenius.ai<br>Local: (+81) 3 6809 6608 |
| India | Hyderabad, India | indiasupport@engenuistech.com<br>Ph: +91 76740 47729 |

# Compliance

## FCC

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

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operations.

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

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.

## CE

This device complies with the essential requirements and other relevant provisions of the directives 2004/108 / EC (EMC); 2014 / 30 / EU (EMC); 2006/95 / EC (LVD); 2014/35 / EU (LVD). The following test methods have been applied in order to prove the presumption of conformity with the essential requirements:

- EN 55035: 2017/A11:2020

- EN 55032:2015+AC:2016, Class A
- EN 55024:2010+A1:2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 61000-4-2:2008
- EN 61000-4-3:2006 +A1:2008 +A2:2010
- EN 61000-4-4:2012
- EN 61000-4-5:2014 / AMD1:2017
- EN 61000-4-6:2013
- EN 61000-4-8:2009
- EN 61000-4-11:2004 / AMD1: 2017
- EN 62368-1:2014+A11:2017

NOTICE:

The operation of this equipment in a residential environment may cause radio interference.

### IC

The following information applies if you use the product within Canada.

Industry Canada ICES Statement:

- CAN ICES-003 (Issue 6)

## Declaration of Conformity

Hereby, EnGenius Networks declare that this product is in compliance with:

- Directives 2004/108 EC (EMC); 2014/30/EU (EMC); 2006/95/EC (LVD); 2014/35/EU (LVD)
- RoHS Directive 2015/863

- WEEE Directive 2012/19/EU
- 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 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.
- Trademarks and registered trademarks are the property of their respective owners. For the United States of America: Copyright © 2023 EnGenius Technologies, Inc. All rights reserved.