ECS1528FP

Cloud Managed 24-Port Gigabit 410W PoE+ Switch (ECS1528FP)

Introduction

This Quick Start Guide is designed to guide you through the installation of the **CloudSwitch L2Plus 24 Full PoE**, model **ECS1528FP**, including hardware installation and configuration.

> **CloudSwitch L2Plus 24 Full PoE**
>
> ### Cloud Managed 24-Port Gigabit 410W PoE+ Switch
>
> **Model: ECS1528FP**
>
> - 24 × 1G PoE+ (802.3af/at) Ports for for high-speed connections
> - 4× 10G SFP+ uplink ports for bandwidth-intensive applications

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Hardware Installation

Management Plane

Option A: Cloud Management

Option B: Standalone Configuration

Package Contents



ECS1528FP



Power Cord



Rack Mount Kit



RJ-45 Console Cable



Rubber Feet Cushion



Product Card

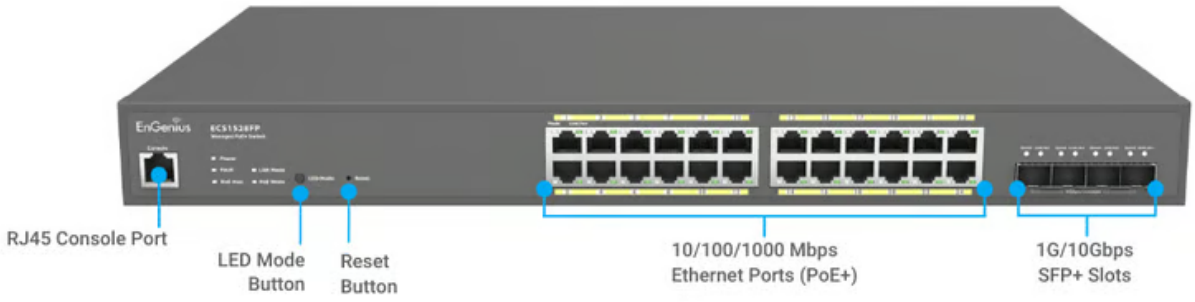
System Requirements

Web Browser:

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

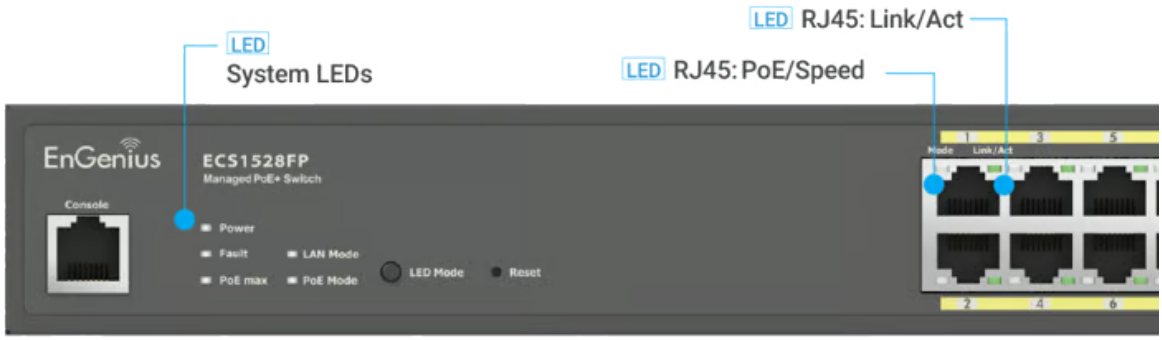
Hardware Overview

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.
- **Change LED display mode:** Press the button to change the LED mode to display the PoE status of PoE-abled ports.

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 ECS1528FP 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.

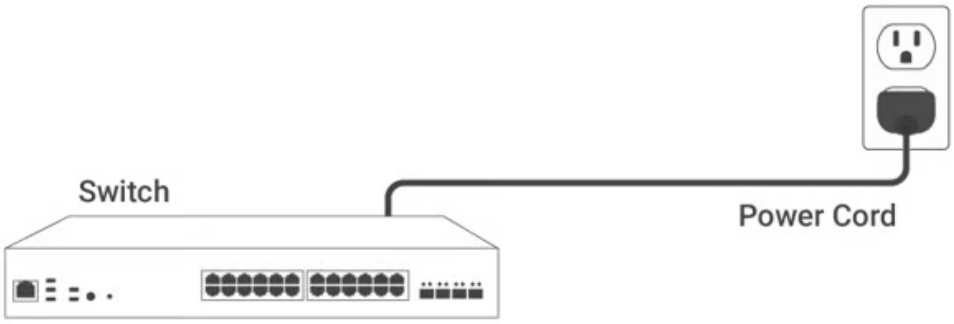
2. Secure the **Mounting Brackets** to the rack using the **Mounting Screws**.



*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

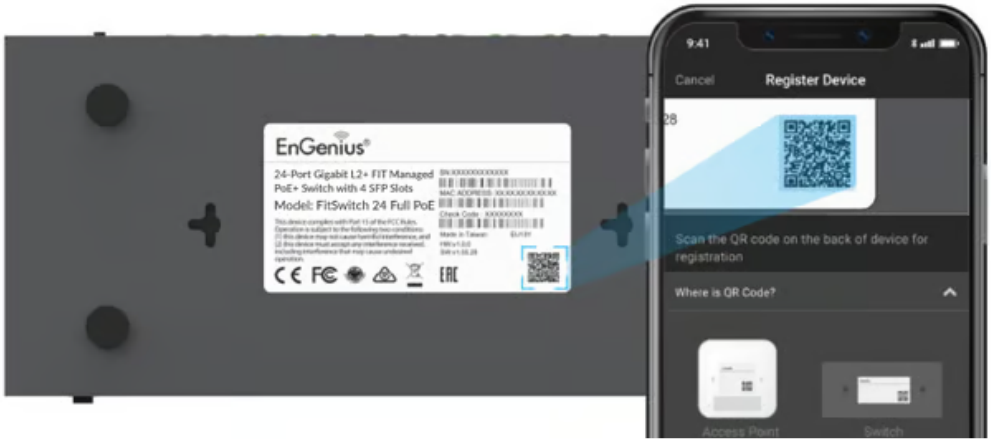
Step 1: Register Device

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

Cloud To-Go Mobile App

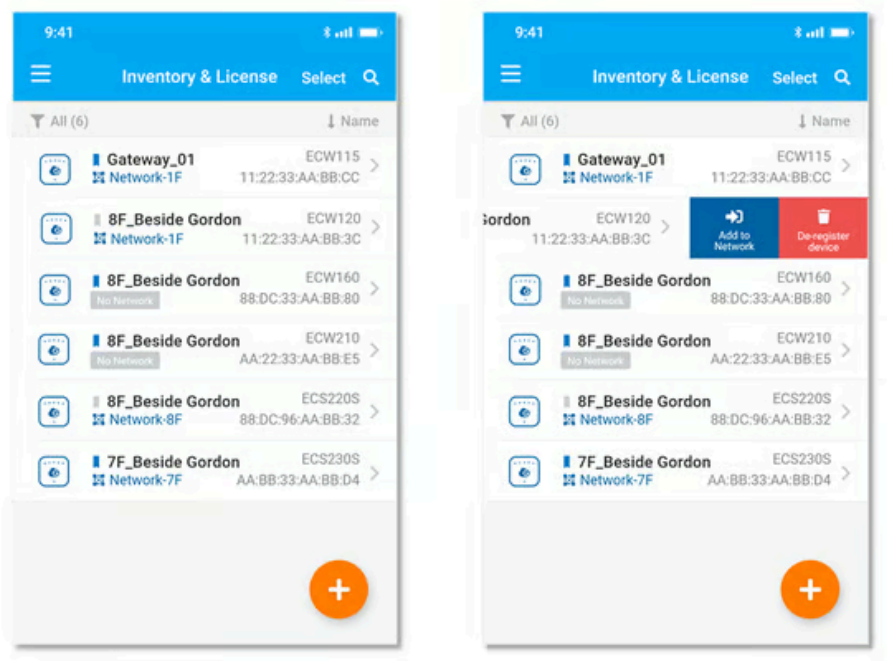
You can register the switch with the **Cloud To-Go app.**

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.



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.

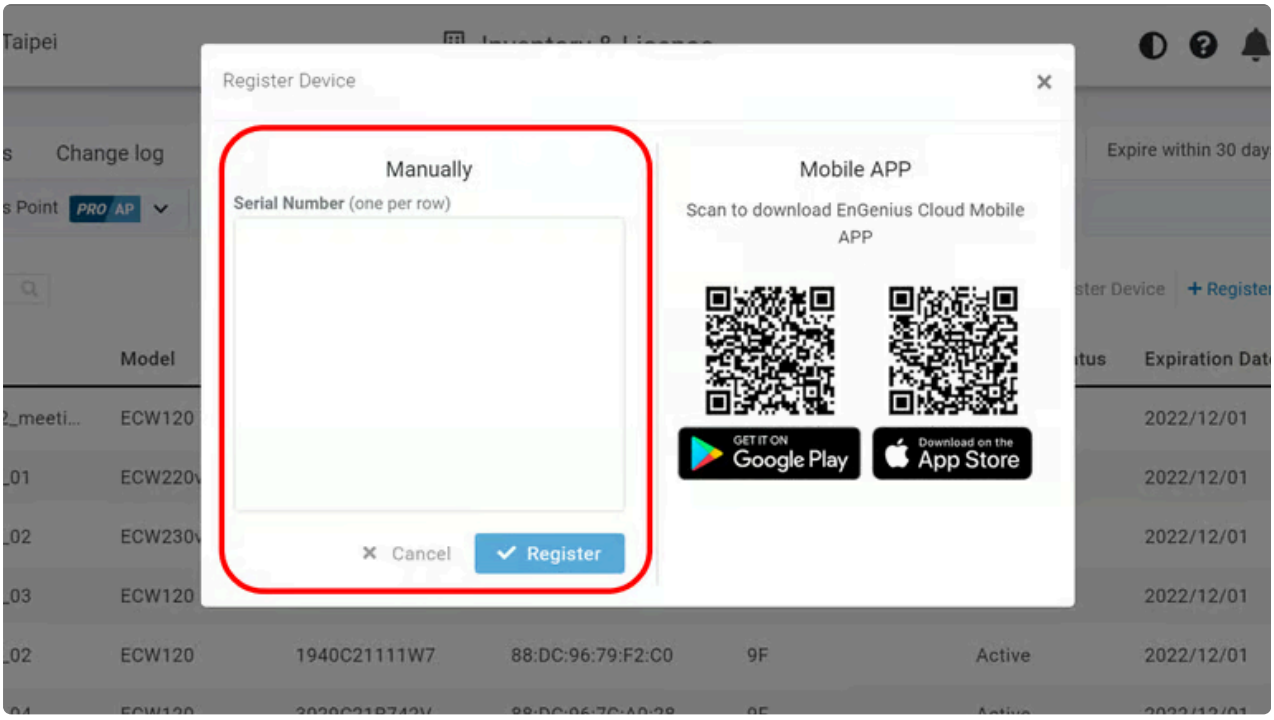


Network: Management domain shared same configurations within EnGenius Cloud**.**

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".

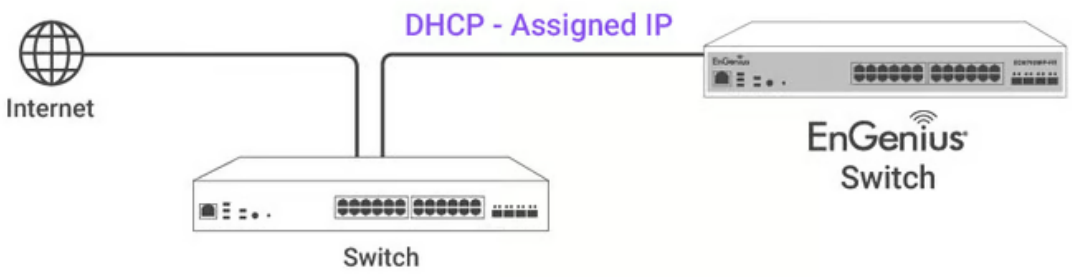


4. Select the registered device and click "**Assign to Network**" to add the device to your personalized Network.

> **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.



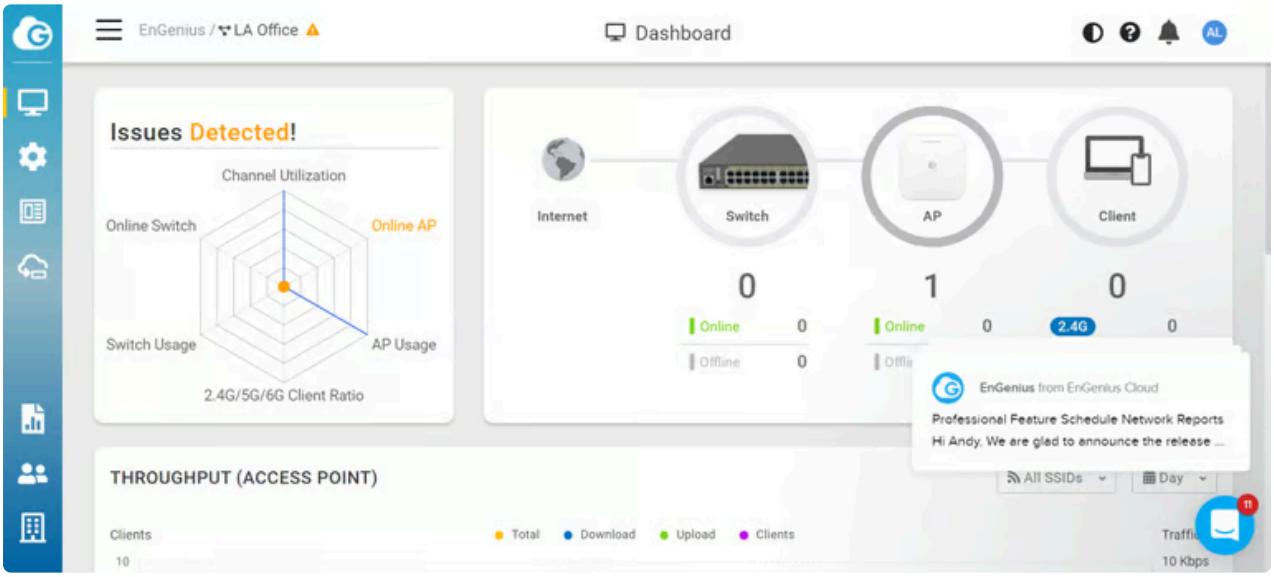
EnGenius Cloud Connected

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 ↗.

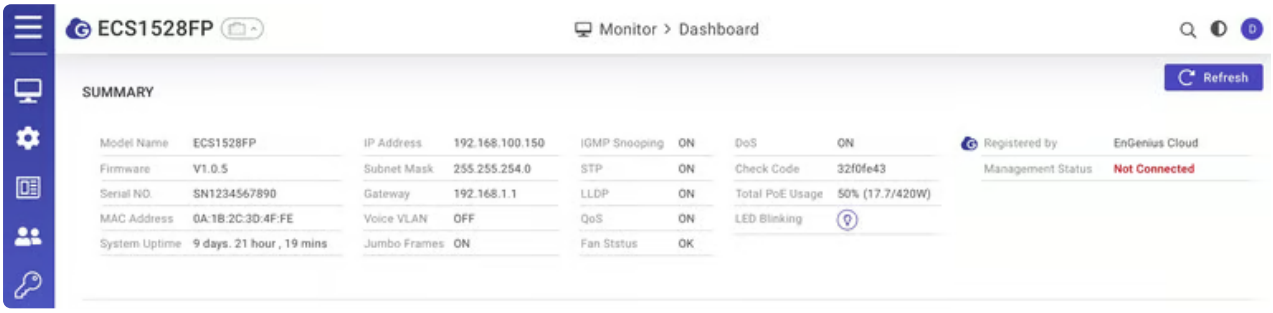


Troubleshooting

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:

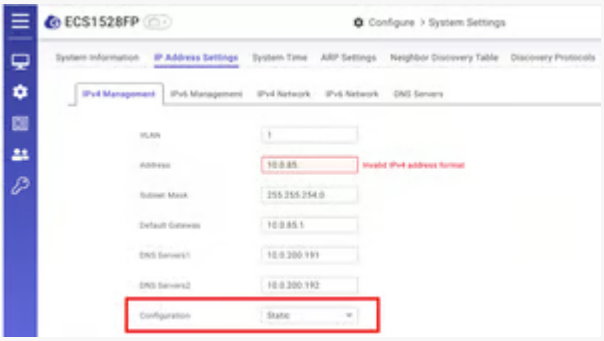
1. Make sure that your computer is on the same subnet with the switch **(192.168.0.0/24)** and directly connect to it with an RJ-45 cable.
2. Under your web browser, enter the URL: **http://192.168.0.239** to access the Switch's local web interface.
3. You can review the device status after logging into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



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.

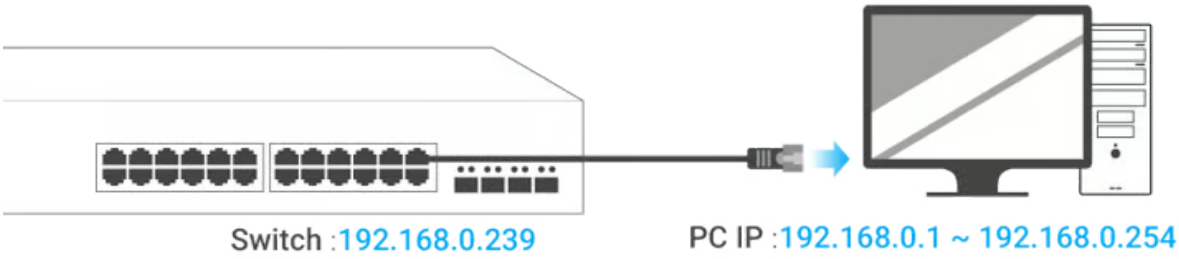
1. Go to the ***Configure> System Settings> IP Address Settings*** section.
2. Change Configuration setting to "***Static***".
3. Configure the ***IP address, gateway, subnet mask, and DNS*** settings.
4. Reconnect this Switch to the LAN network and try again



Option B: Standalone Configuration

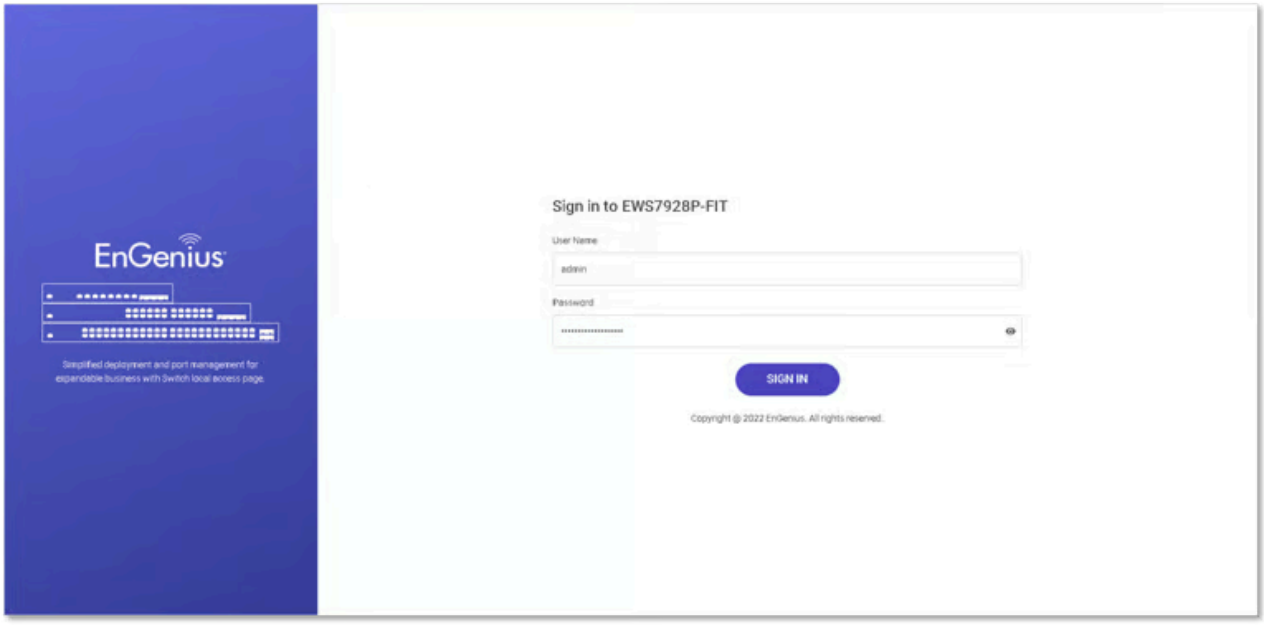
Step 1: Access to Local Web

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.

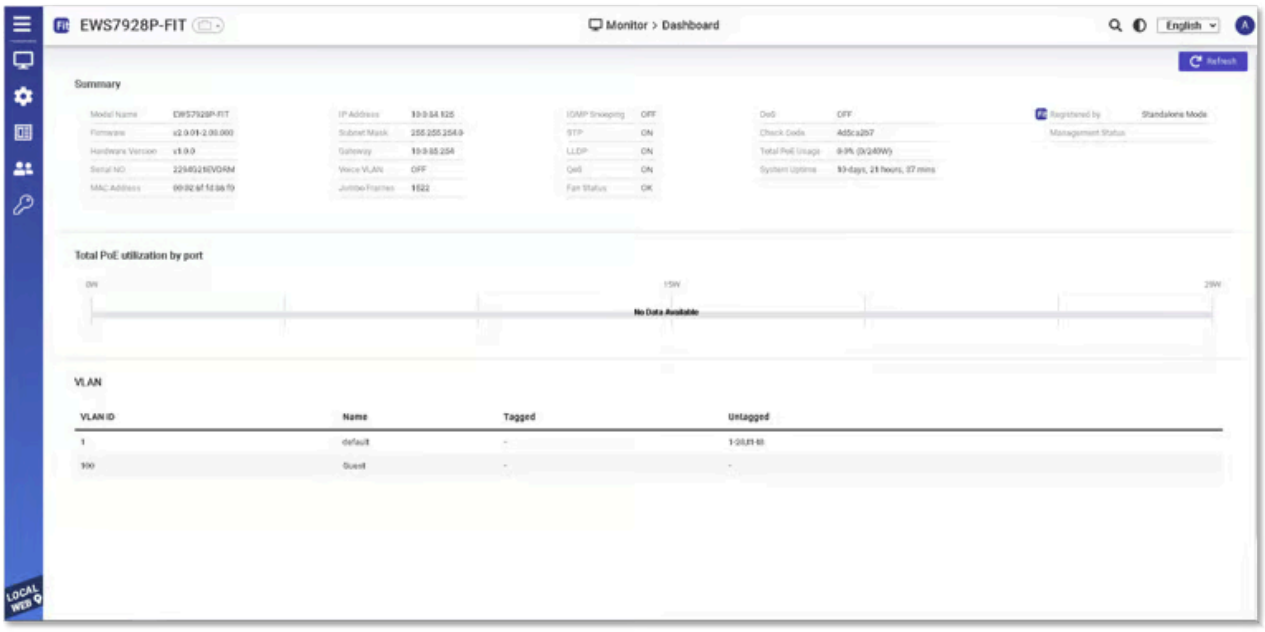
3. Use the default login credential (ID/PWD: **admin/password**) to log in to the switch's local web page.



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

Step2: 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 support@engeniustech.com Local: (+1) 714 432 8668
North America	Canada	cloud.engenius.ai support@engeniustech.com Local: (+1) 905 940 8181
Europe	Netherlands	eusupport@engeniustech.com Local: (+31) 40 8200 887
Asia / Oceania / Africa / CIS / Middle East	Singapore	techsupport-sg@engeniustech.com Local: (+65) 6227 1088
Taiwan	Taiwan, R.O.C	support@engeniustech.com.tw Local: (+886) 933 250 628
Japan	Tokyo, Japan	jp.support@engenius.ai Local: (+81) 3 6809 6608
India	Hyderabad, India	indiasupport@engenuistech.com 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.