

EWS7928FP-FIT

EnGenius Fit 24-Port Gigabit 410W PoE+ Switch with 4 SFP Ports (EWS7928FP-FIT)

Introduction

This Quick Start Guide is designed to guide you through the installation of the **FitSwitch 24 Full PoE**, model **EWS7928FP-FIT**, including hardware installation and configuration.

FitSwitch 24 Full PoE

EnGenius Fit 24-Port Gigabit 410W PoE+ Switch with 4 SFP Ports

Model: EWS7928FP-FIT

- 24 × 10/100/1000 Base-T GbE PoE+ Ports for a wide range of network devices such as WiFi APs, IP cameras, VoIP phones, and more.
- 4 SFP slots for longer connectivity via fiber uplink

▼ **Content Quick Links**

[Hardware Installation](#)

[Management Plane](#)

[Option A: Cloud Management](#)

[Option B: On-Premises Management](#)

[Option C: Standalone Configuration](#)

Package Contents



EWS7928FP-FIT



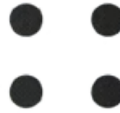
Power Cord



Rack Mount Kit



RJ-45 Console Cable



Rubber Feet Cushion



Product Card

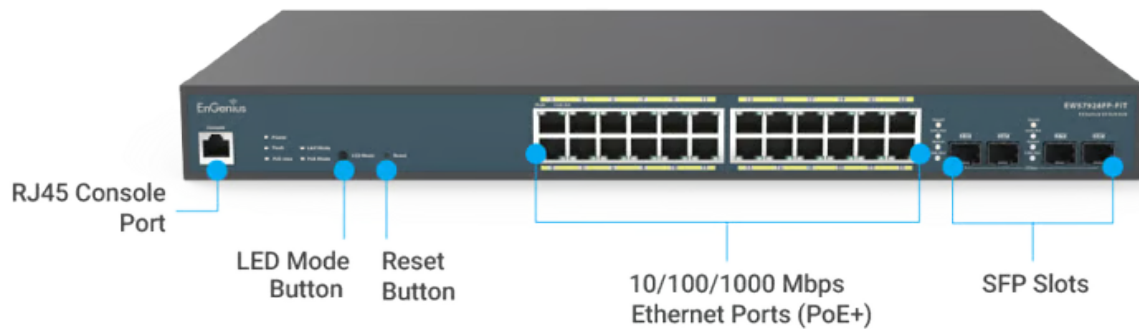
System Requirements

Web Browser:

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

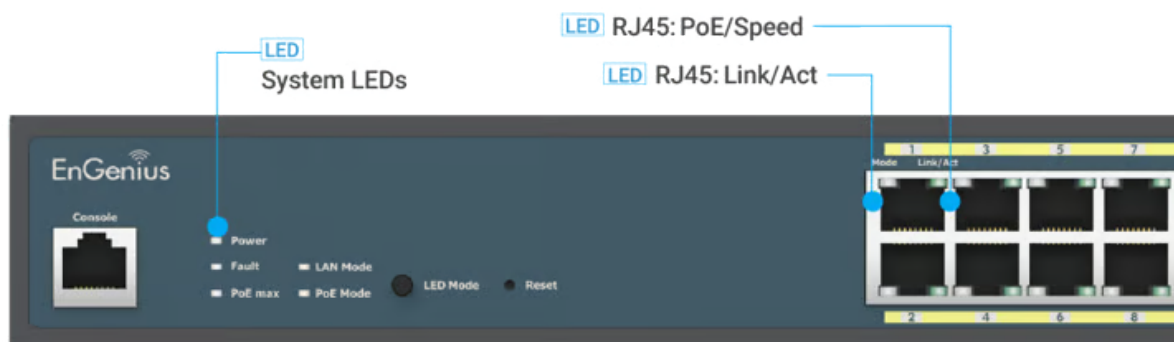
Hardware Overview

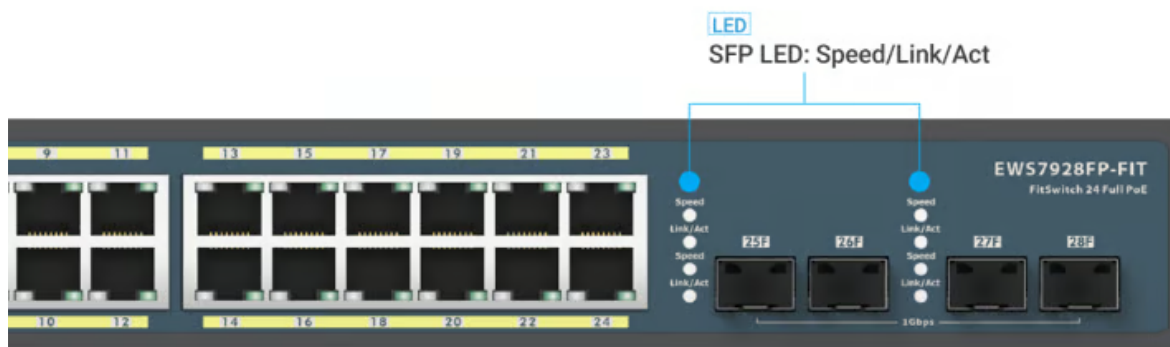
Front Panel - Ports & Buttons



- i
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-enabled ports.

Front Panel - System & Ports LEDs





Location	LED indicator	Color	Status	Description
System	Power	Green	Flashing	Before system boot
			Solid On	After system boot
			Light Off	Power Off
	Fault	Amber	Solid On	Any fault
			Light Off	Normal
	PoE Max	Amber	Solid On	When the total PoE output power achieve max power budget
			Light Off	System still have spare power for new PD
Copper Port	LAN Mode	Green	Solid On	Speed 1000 Mbps
		Off	Light Off	Speed 100/10 Mbps
	PoE Mode	Green	Solid On	Power feeding
		Off	Light Off	No Power feeding
	Link/Act	Green	Solid On	Link
			Flashing	Transmit or receive on this port
SFP Slot	Speed	Green	Solid On	Speed 1000 Mbps
		Amber	Solid On	Speed 100 Mbps
	Link/Act	Green	Solid On	Link
			Flashing	Transmit or receive on this port
			Light Off	No Link

Hardware Installation

The EWS7928FP-FIT 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**.

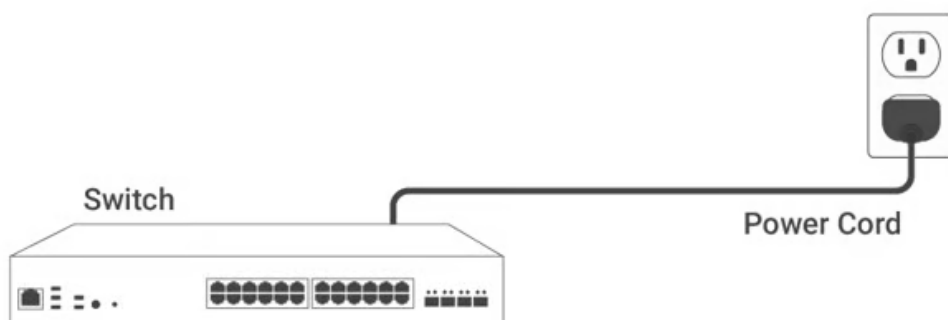


2. Secure the **Mounting Brackets** to the rack using the mounting screws.



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 Fit provides flexibility to manage your devices based on your network planning and deployment.

Option A: **Cloud Management**

Option B: **On-Premises Management**

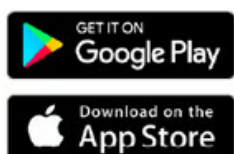
Option C: **Standalone Configuration**

Cloud Management

Manage and monitor the switch through the **FitXpress Platform** with a mobile app or through the web portal.

FitXpress App (iOS/Android)

↓ [Download the FitXpress mobile app here ↗](#)



On-Premises Management

If you want to manage the device in an on-premises manner, a management station running the **FitController** is necessary—located on-site and connected to the same Layer 2 network.

✔ FitController

FitController is a custom-built appliance with optimized network management software installed to ease the onsite deployment without manual server configurations.

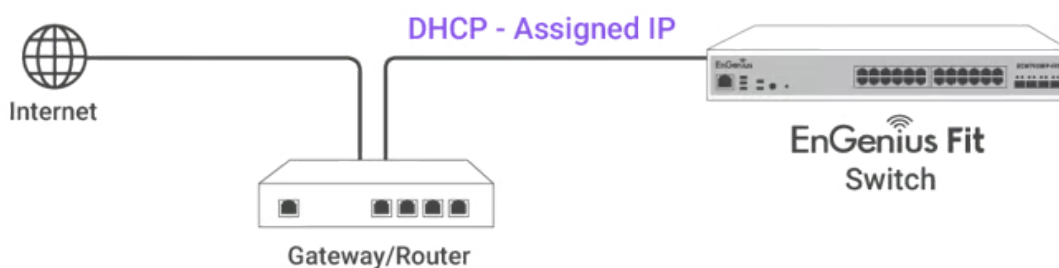
Standalone Configuration

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: Cloud Management with FitXpress

Step 1: Connecting to Ethernet

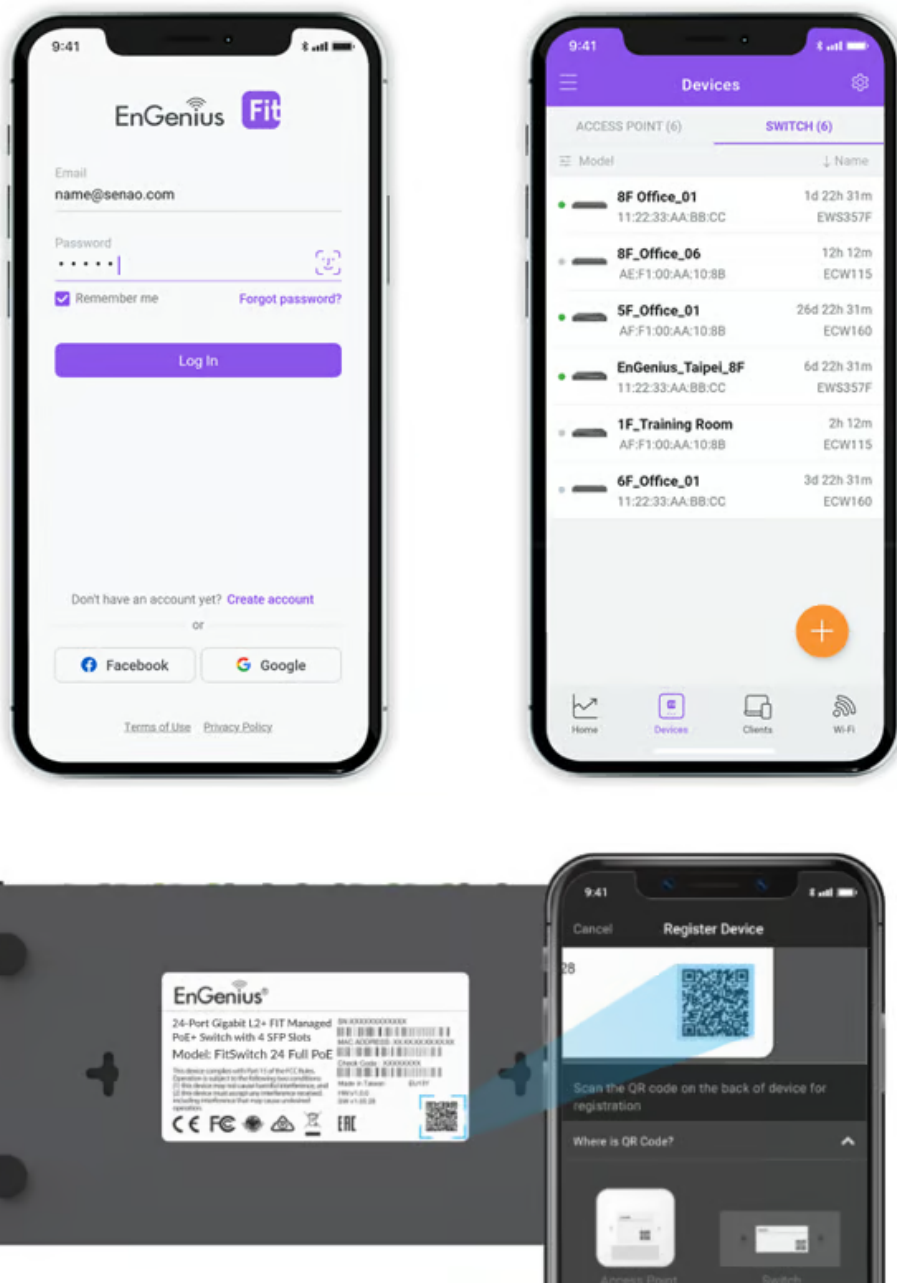
Connect the Ethernet cable from the EnGenius Fit Switch directly to the DHCP-enabled network and make sure the switch can reach the Internet.



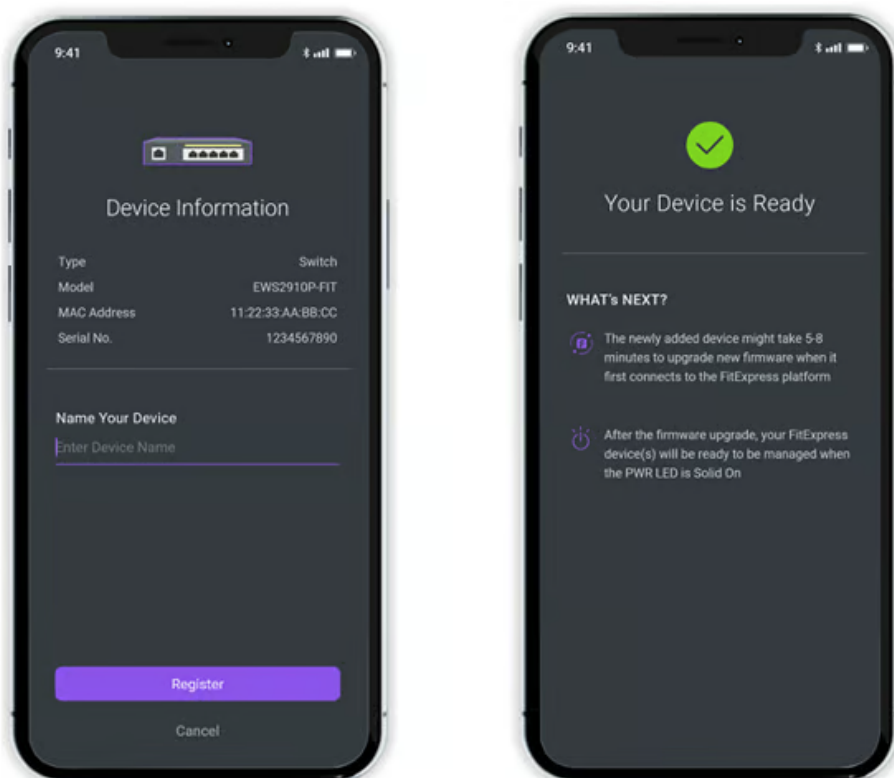
Step 2: Register Device

You can register the switch with the **FitXpress app**.

1. Open the **FitXpress** mobile app and create an account.
2. Log in and go to the **Devices** section. Click the **Add(+)** button.
3. Scan the QR code on the back of the device via the app.



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



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

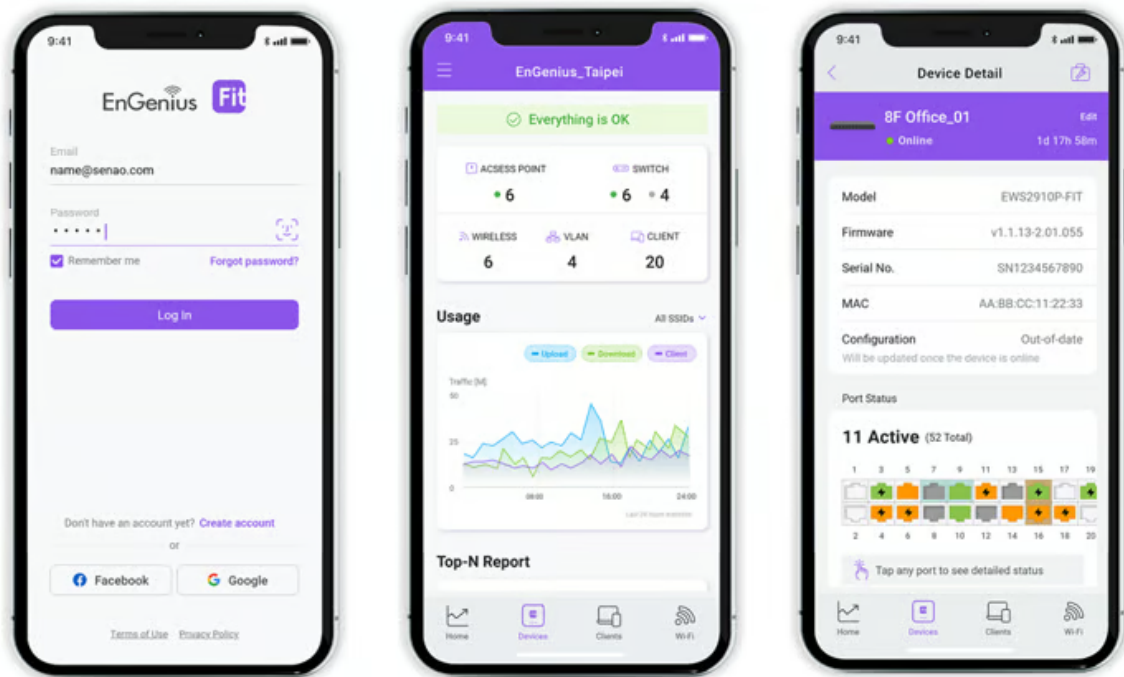
Step 3: Connect to the FitXpress

Once the device is powered on and ready to connect to the Internet, the **PWR LED** will stay *Solid On*, which means the device is now connected to the **FitXpress** platform. It will automatically download the default configuration settings from FitXpress for automated provisioning.

! When the switch is connected to the **FitXpress** 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 4: Manage with FitXpress

Log in to the **FitXpress app** to configure detailed settings and monitor your devices.

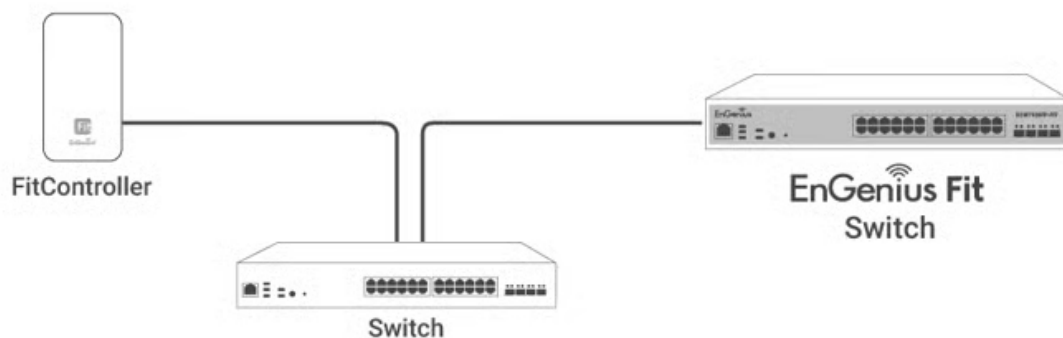


*The display model number may be varied according to different models.

Option B: On-premises Management with FitController

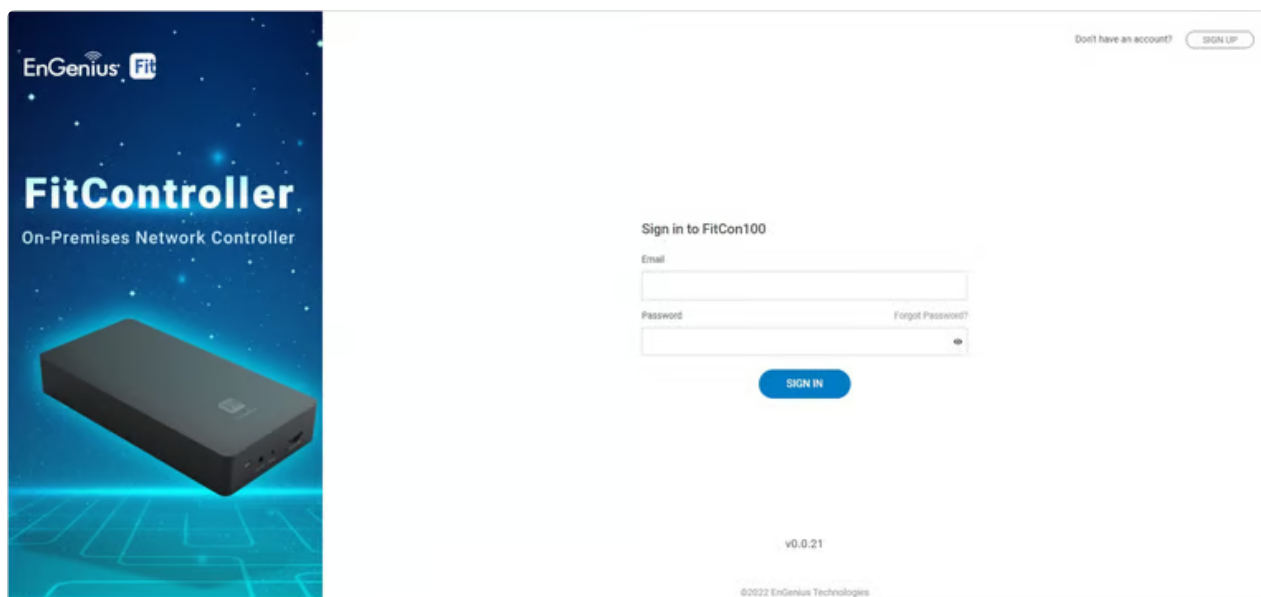
Step 1: Connecting Ethernet

Connect the Ethernet cable from the EnGenius Fit Switch directly to the DHCP-enabled network, which is the same Layer-2 network as **FitController**.



Step 2: Log in to the FitController

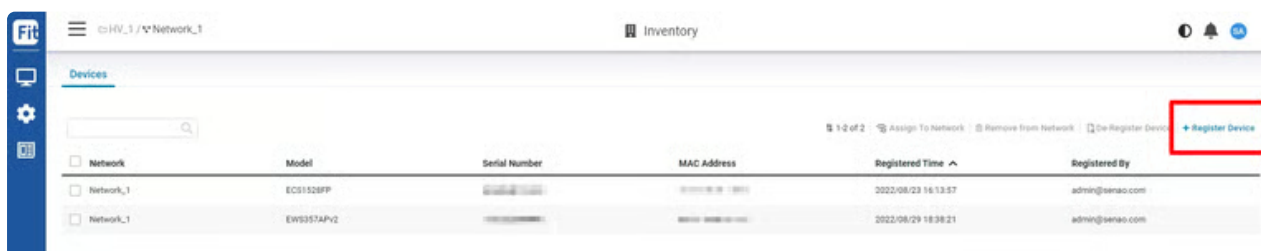
Launch your web browser to access the login page of **FitController**. Enter the email and password that you created and click **Sign In**.



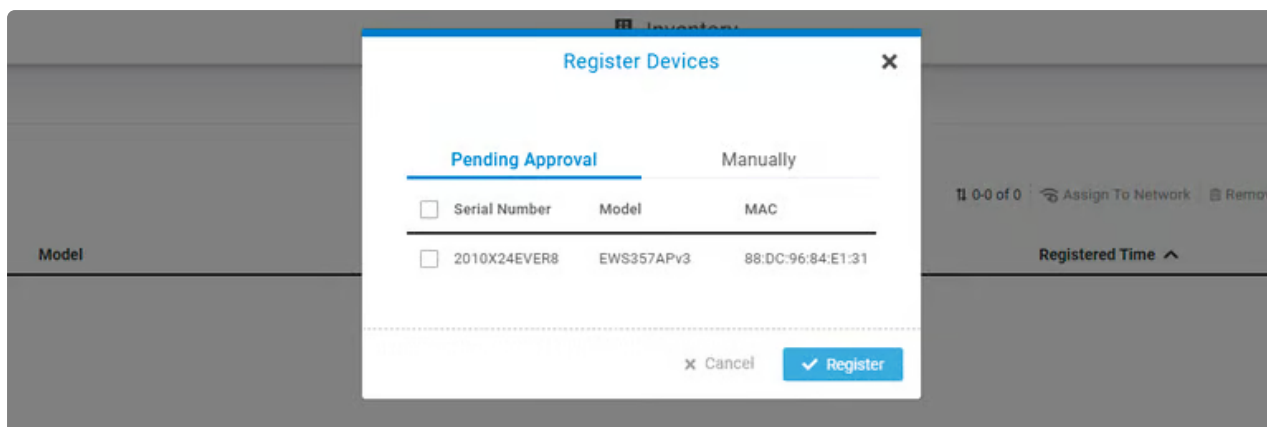
- i** The FitController default IP address is in DHCP client mode to get an IP address from the DHCP server. If FitController cannot get an IP address from the DHCP server, The default IP address will be **192.168.1.250:8080**.

Step 3: Register Device and Assign to Network

1. Go to the **System > Inventory** page and click "**Register Device(+)**."
2. FitController will list all EnGenius Fit devices discovered from the same L2 network in the **Pending Approval** section. Select the device and Click "**Register**" to add to inventory.
3. From the **Inventory** page, Select the newly added device and click "**Assign to Network**" to add the device to your personalized network.



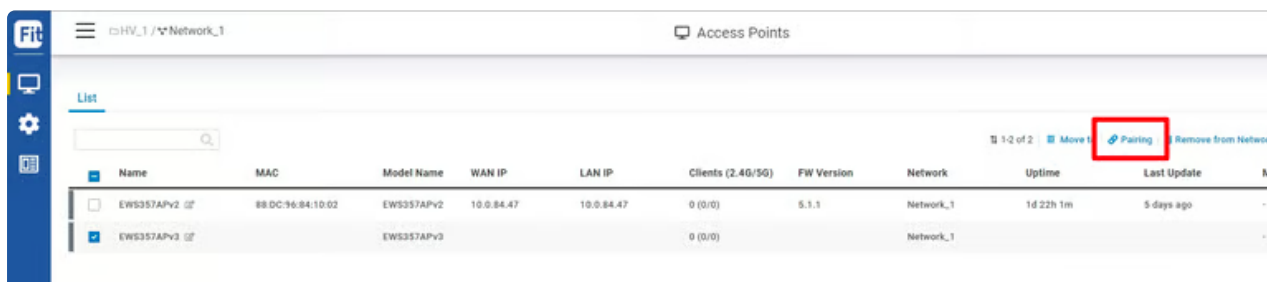
*The display model number may be varied according to different models.



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

Step 4: Pairing the Device

1. Go to switch **Device List**
2. Select the newly added device and click "**Pairing**" to adopt the access point to build an encrypted connection between the device and FitController.



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

Step 5: Manage with the FitController

Navigate to the left site menu to configure and manage your network and view network statistics using the FitController management interface.



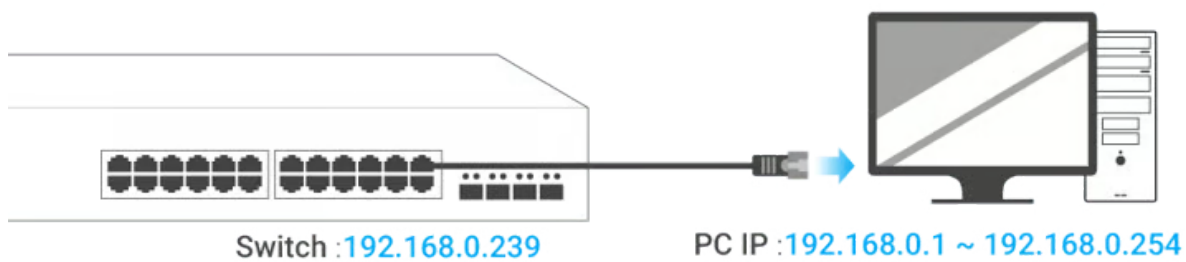
For information on configuring and using the **FitController**, refer to the user guide:

<https://docs.engenius.ai/fitcontroller-user-manual/>

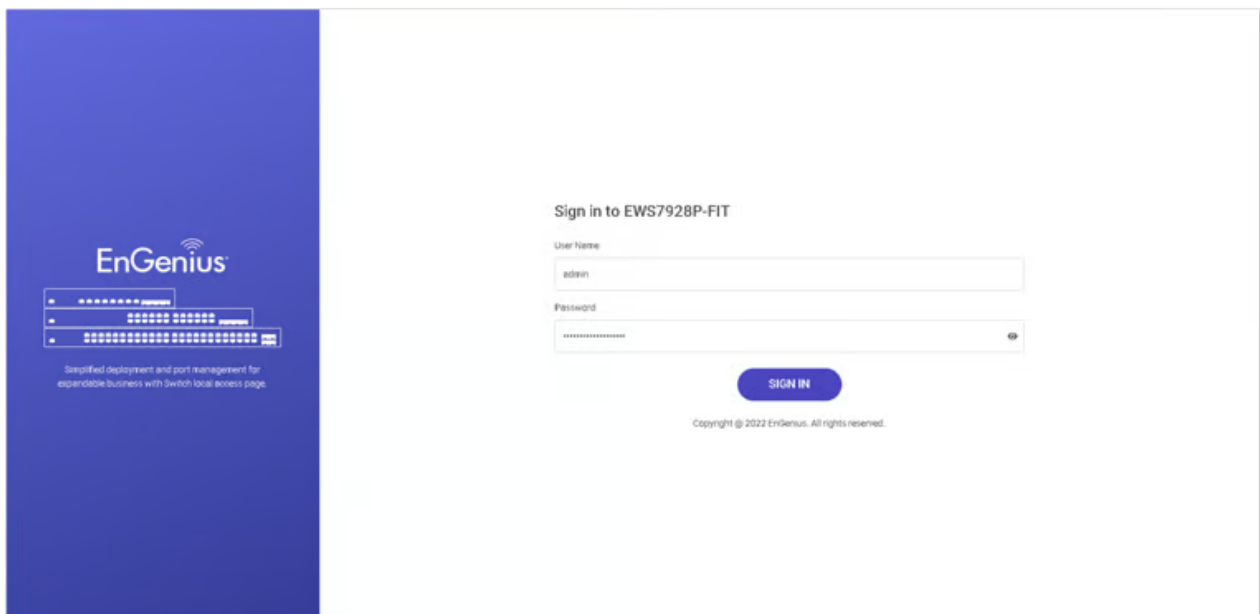
Option C: Standalone Configuration

Step 1: Access to Local Web

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



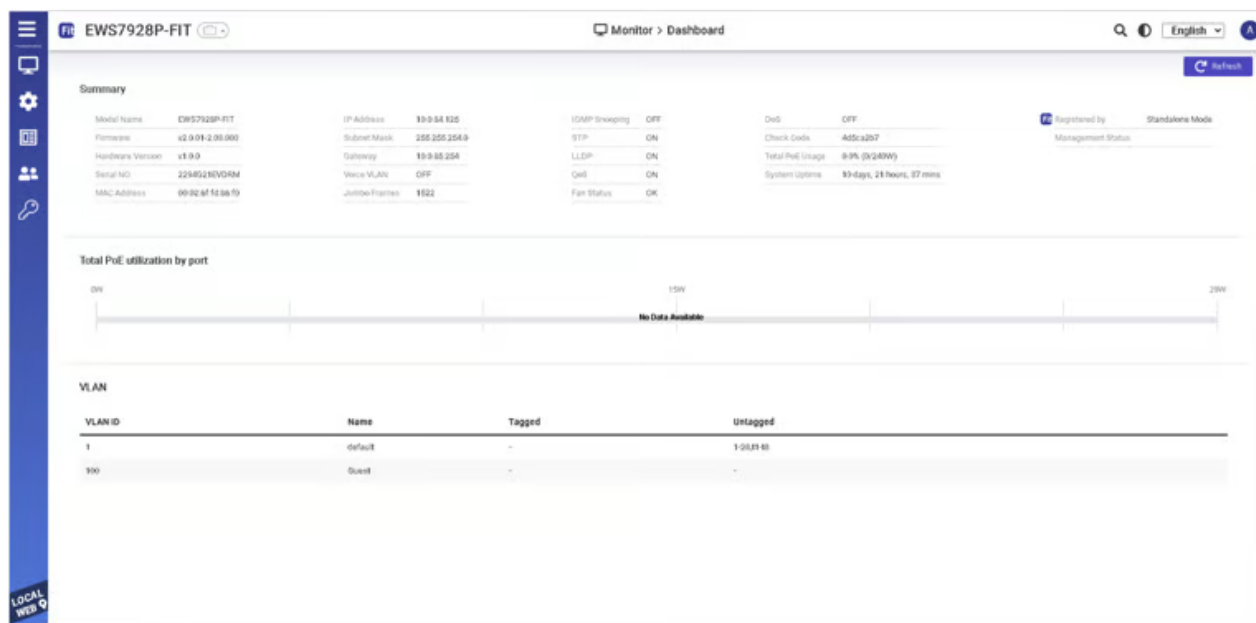
2. Launch your web browser and enter the URL: <http://192.168.0.239> to access the switch's local web GUI.
3. Use the default login credential (ID/PWD: **admin/password**) to log in to the switch's local web page.



*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.

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

! How to Change Management Mode?

EnGenius Fit devices support versatile network management methods, but the device can only be managed under one management mode, either **FitXpress**, **FitController**, 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@engeniustech.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)