



# EnGenius Fit L2+ Managed 55W PoE+ Switch

Quick Start Guide

## Introduction

This Quick Start Guide is designed to guide you through the installation of the Fit L2+ managed 55W PoE+ switch access point, model EWS2910P-FIT, including hardware mounting and configuration.

### Model: EWS2910P-FIT

8 10/100/1000 Base-T GbE Ports

Full-featured Layer 2 plus switching

802.3at/af PoE+ ready on all ports with 55W PoE budget

Setup in minutes with app-based step by step instructions

Quick-scan device register, remote monitoring and troubleshooting

Real-time system metrics, analytics and remote configurations

## Package Contents



EnGenius Fit PoE Switch



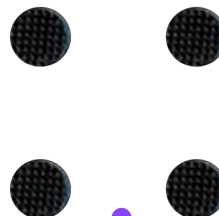
Wall Mount Kit



Power Adapter



Power Cord



Rubber Feet Cushion



Product Card

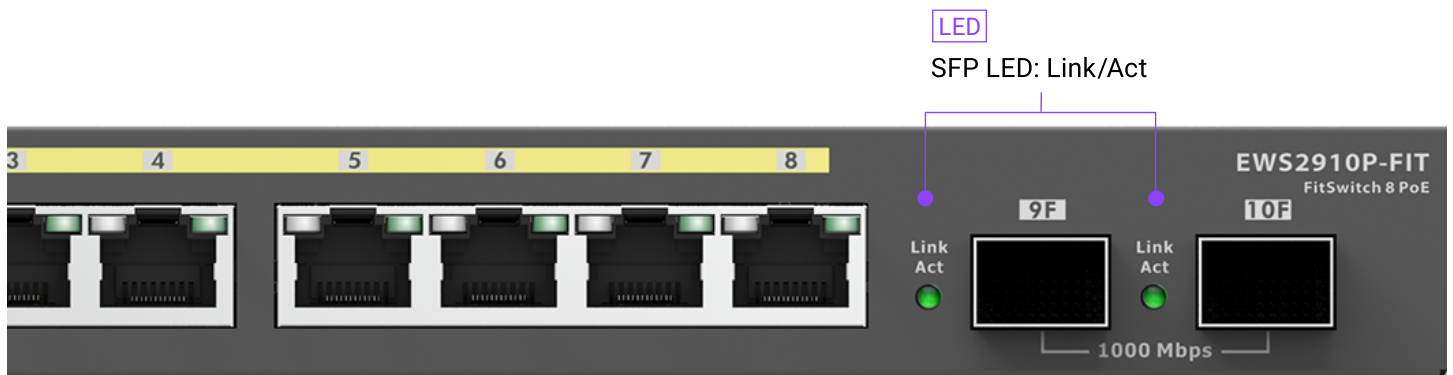
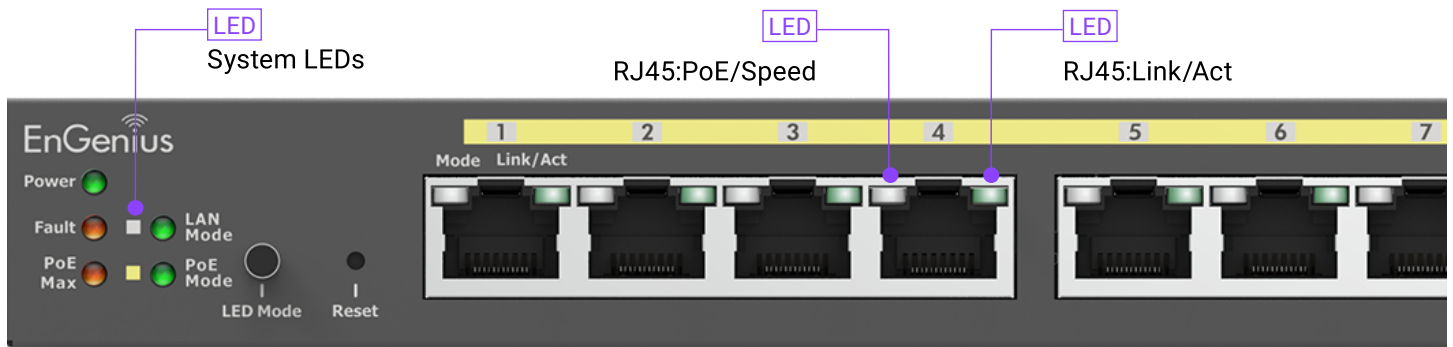
# System Requirements

## Web Browser

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

## Reset Button:

**Reset to default:** Press and hold the reset button on the PoE adaptor for over 60 seconds, and the LED (PWR) will go off and on.. Then, the device will be reset to factory default settings.



## LEDs

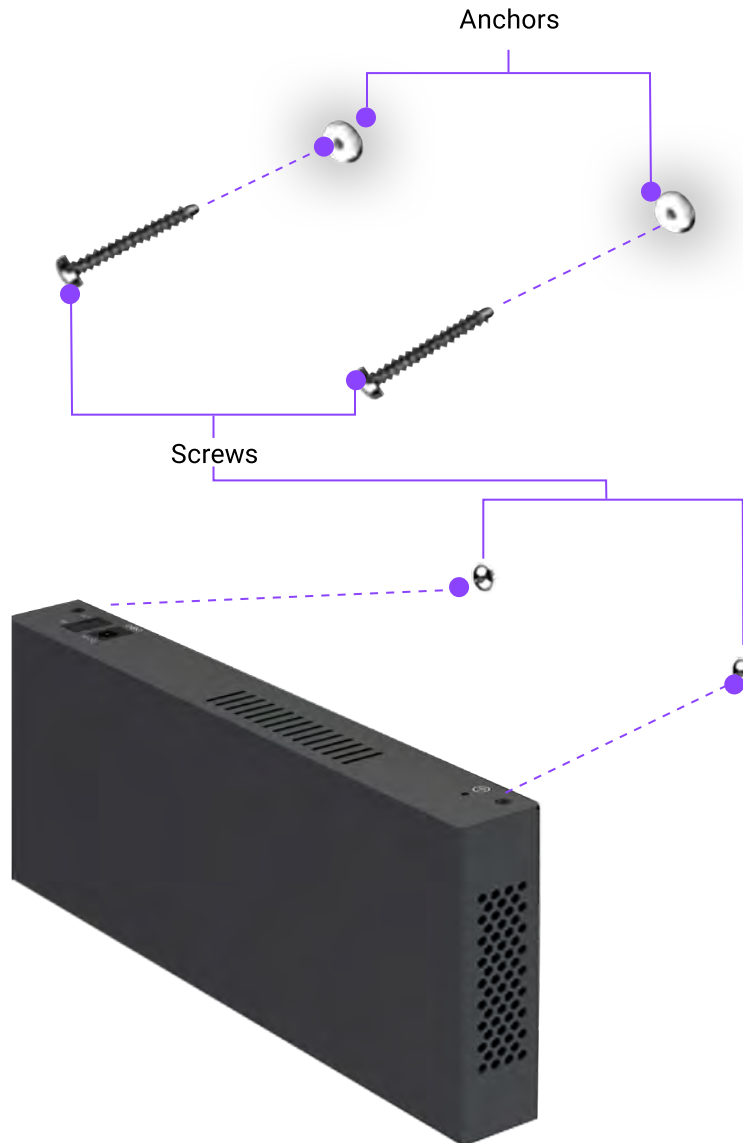
LOCATION	LED INDICATOR	COLOR	STATUS	DESCRIPTION
System	Power	Green	Flashing	Before system boot
			Solid On	Power on
			Light Off	Power off
	Fault	Amber	Solid On	Any fault
			Light Off	Normal
	PoE Max	Amber	Solid On	When the total Poe output power archive max power budget
			Light Off	System still have 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	
Copper 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	Now Power Feeding
	Link/Act	Green	Flashing	Link
		Amber	Solid On	Transmit or receive on this port
		Off	Light Off	No link
SFP Slot	Link/Act	Green	Flashing	Link
			Solid On	Transmit or receive on this port
			Light Off	No link

## Hardware Mounting

The access point can be mounted on the Wall and Pole, and please perform the steps for the appropriate installation.

### Rack Mount

1. Determine where the Ethernet Switch will be placed and mark the location on the surface for the two mounting holes. Use the appropriate drill bit to drill two 8.1mm diameter and 26mm-deep holes on the marks.
2. Screw the Anchors into the holes until they are flush with the wall; screw the included Screws into the Anchors but leave the screw head sticking out so you can hang the Ethernet Switch on it.



## Powering EnGenius Fit Switch

EnGenius Fit Switch can be powered by following:

Power Adapter

## Connecting to a Power Cord

Connect the Power Cord cable from the EnGenius Fit PoE+ Switch EWS2910P-FIT AP directly to the Wall Outlet.



## Management Plane

EnGenius Fit provides flexible options to manage your devices based on your network planning and deployment.

Option A: Cloud Management

Option B: On-Premises Management

Option C: Standalone Configuration

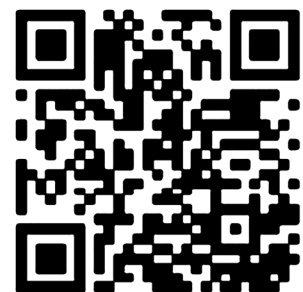
## Cloud Management

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 App Store click here](#)

[Download the FitXpress mobile app Google Play click here](#)



Scan to download FitXpress app

## On-Premises Management

If you want to manage the device in on-premises mode, you need an onsite management station running the FitController connected to the same Layer 2 network.

**FitController**

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

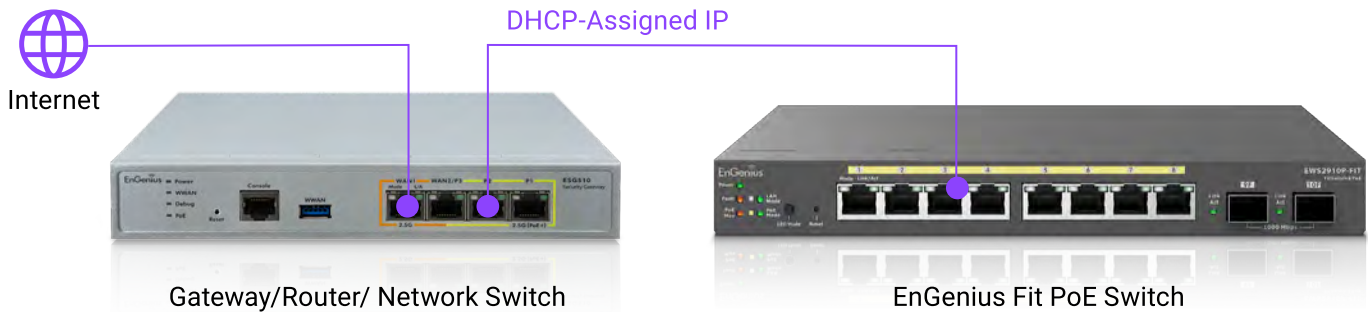
## Standalone Configuration

Using your computer, you can 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 set to Standalone mode.

## Option A: Cloud Management with FitXpress

### Step 1: Connecting Ethernet

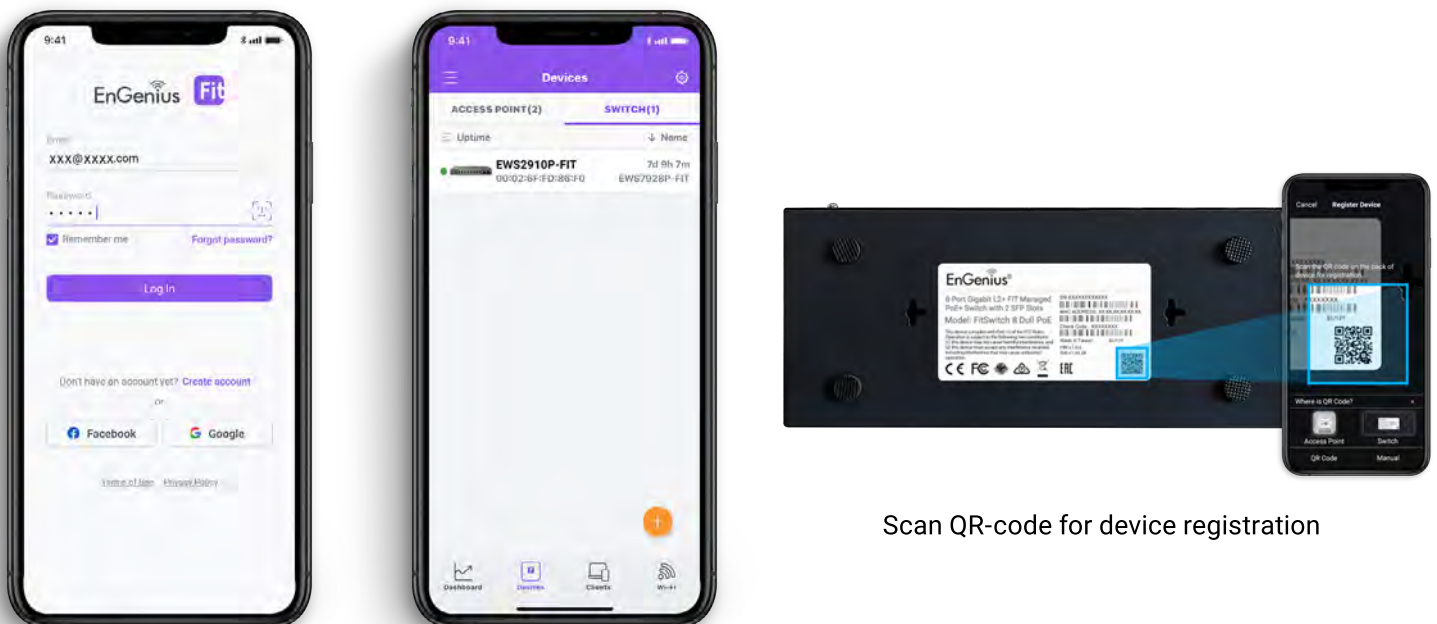
Connect the Ethernet cable from the EnGenius Fit Switch directly to the DHCP-enabled network and make sure the Switch can reach the Internet.



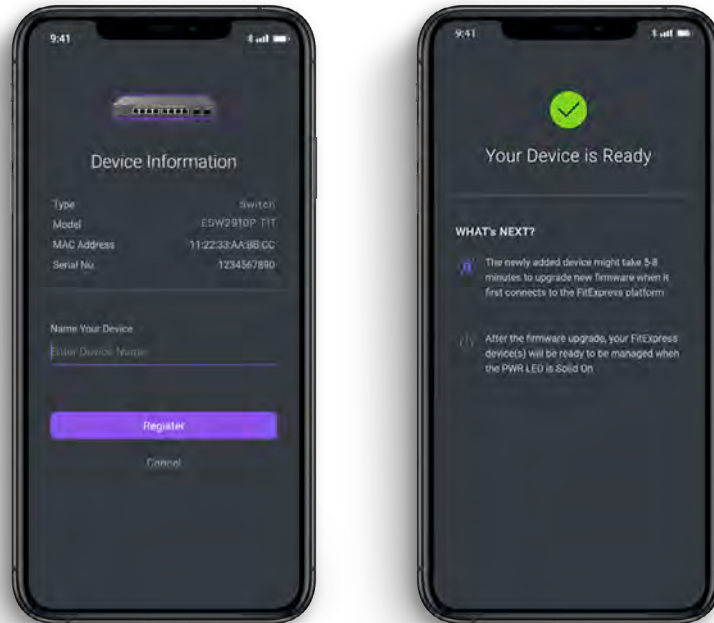
### Step 2: Register Device

You can register the access point with the FitXpress app.

1. Open the FitXpress mobile app and create an account.
2. Login 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 the QR code, the app will display the device information. You can tap “Register” to complete the registration.



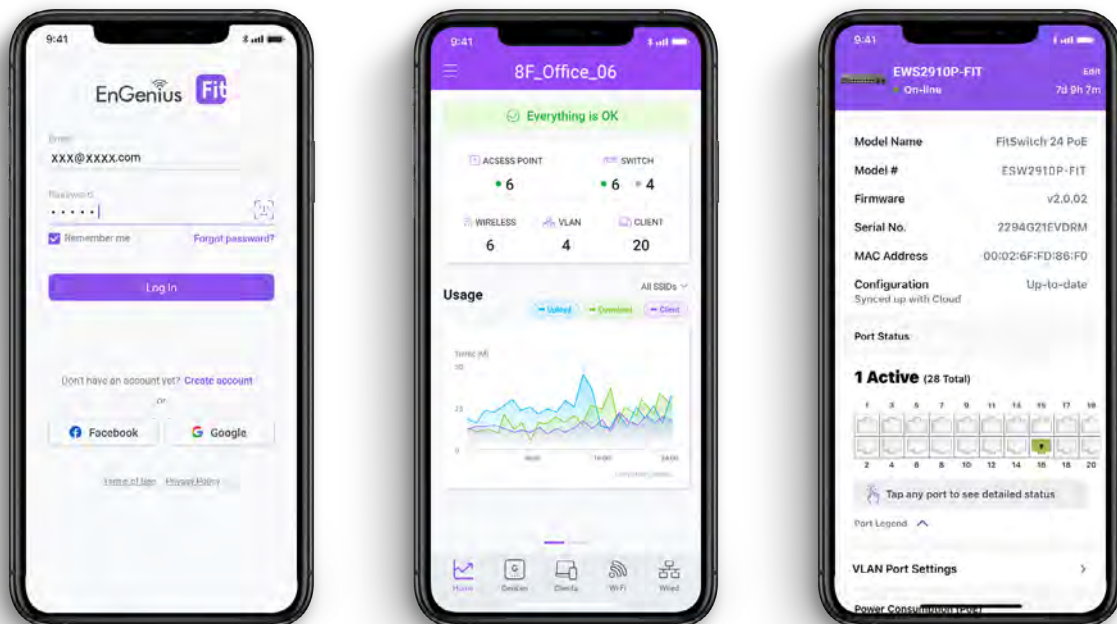
### Step 3: Connect to FitXpress

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 firmware version available. If a firmware upgrade is required, it might take 8~10 minutes to complete the process. All LED indicators will be Flashing (0.5 sec) till the process is finished.

### Step 4: Manage with the FitXpress

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

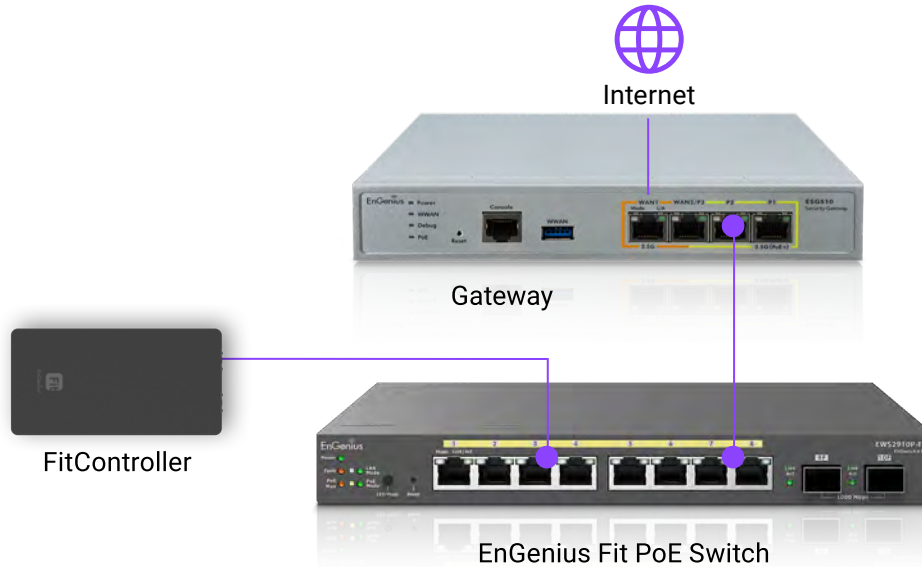




## Option B: On-premises Management with FitController

### 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 and create an account. Enter the email address and password that you created and click Sign In.

The FitController default IP address in DHCP client mode will get an IP address (e.g. X.X.X.X:8080) 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.

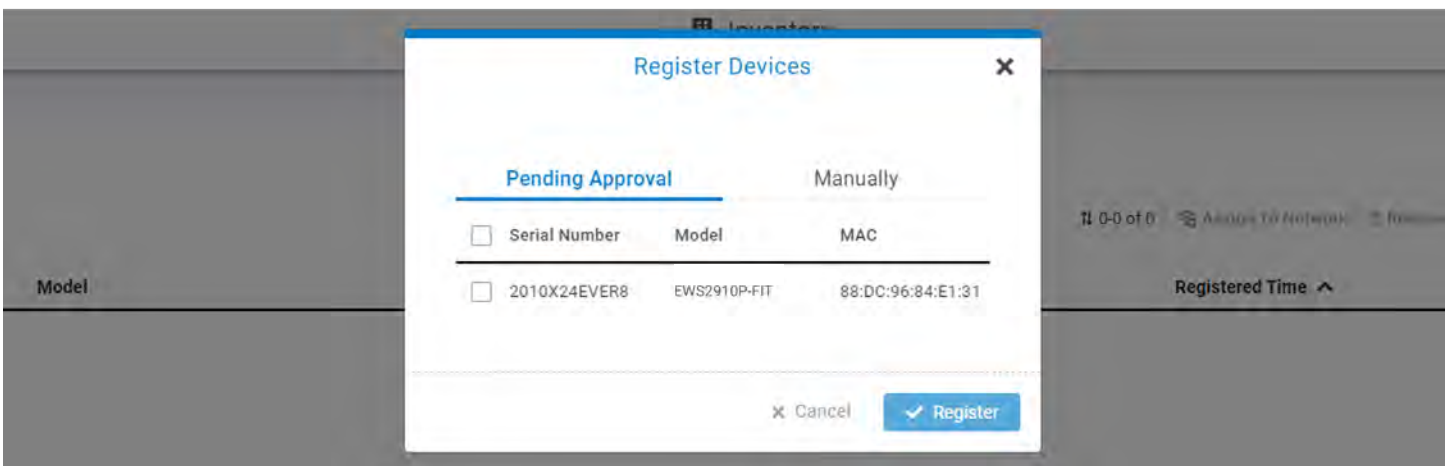
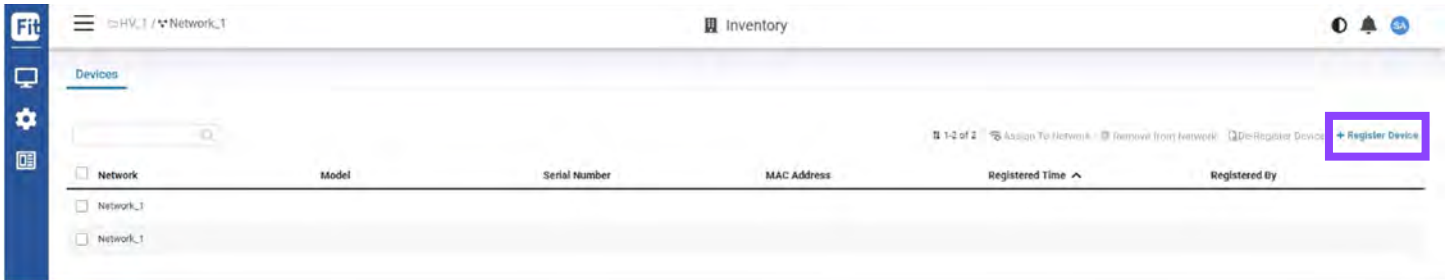


The screenshot shows the login page for FitController. At the top right, there is a link 'Don't have an account?' and a 'SIGN UP' button. The main heading is 'Sign in to FitCon100'. Below it are two input fields: 'Email' and 'Password'. The Password field has a 'Forgot Password?' link to its right. At the bottom of the form is a blue 'SIGN IN' button. Below the button, the version number 'v0.0.21' is displayed, and at the very bottom, the copyright notice '©2022 EnGenius Technologies' is visible.



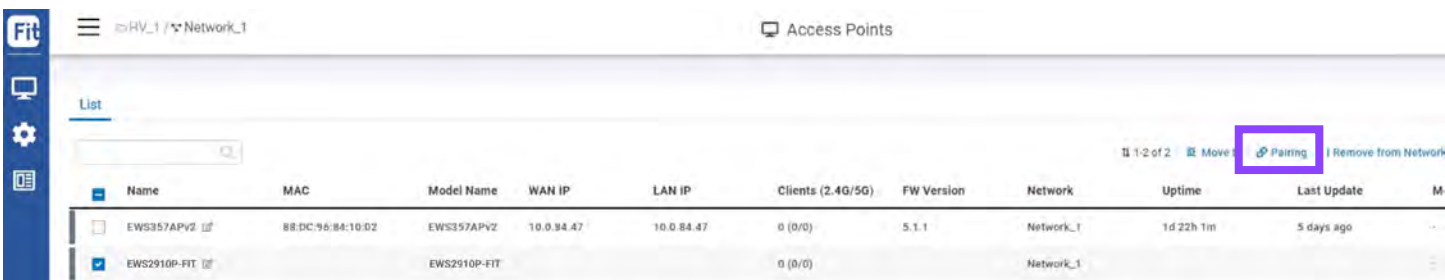
### Step 3: Register Device and Assign to Network

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. You can also tap “Manually” tab and register Fit device by entering Serial Number.
3. From the Inventory page, Select the newly added device and click “Assign to Network” to add the device to your personalized network.



### Step 4: Pairing the Device

1. Go to access point or switch list.
2. Select the newly added device and click “Pairing” to allow the access point to build an encrypted connection between the device and FitController.



### Step 5: Manage with FitController

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

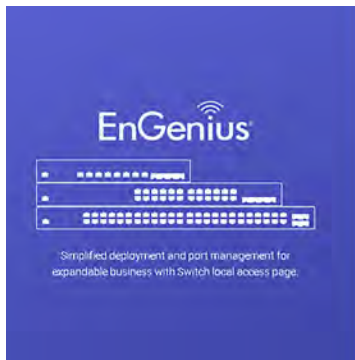
## Option C: Standalone Configuration

### Step 1: Access to Local Web

1. Connect the Ethernet cable from the laptop directly to the EnGenius Fit Switch.
2. Under your web browser, enter the URL: <http://EnGenius.local> or <http://192.168.0.239> to access the device's user interface.
3. Use the default login credential (ID/PWD: admin/password) to log in to the device's local web page.

### Step 2: Configure and Manage the Device

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



Sign in to EWS2910P-FIT

User Name  
admin

Password  
password

**SIGN IN**

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Fit EWS2910P-FIT Monitor > Dashboard

Summary

Model Name	EWS2910P-FIT	IP Address	10.0.84.125	DHCP/Static	OFF	DW	OFF
Firmware	v2.0.01-2.00.003	Subnet Mask	255.255.254.0	STP	ON	Client Code	466a2b7
Hardware Version	v1.0.0	Gateway	10.0.85.254	LLDP	ON	Total PoE Usage	0.0% (0/249W)
Serial No.	2294521EVD8M	VLAN	OFF	DW	ON	System Uptime	19 days, 21 hours, 37 mins
MAC Address	00:90:87:10:96:10	Number of Ports	152	Fair Status	OK	Registered By	Standalone Mode

Total PoE utilization by port

No Data Available

VLAN

VLAN ID	Name	Tagged	Untagged
1	default		1-254 (1)
100	Guest		

## How to Change Management Mode?

EnGenius Fit devices support versatile network management methods, but the device can only be managed under one management mode at a time - either **FitXpress**, **FitController**, or **Standalone**. Therefore, you need to reset the device before changing to a different management mode. Then follow **Quick Start Guide** instructions for the device onboarding.