



EWS7928FP-FIT



EnGenius Fit L2+ Managed 410W PoE+ Switch

Quick Start Guide

Introduction

This Quick Start Guide is designed to guide you through the installation of the Fit L2+ managed 410W PoE+ switch access point, model EWS7928FP-FIT, including hardware mounting and configuration.

Model: EWS7928FP-FIT

24 10/100/1000 Base-T GbE Ports

Full-featured Layer 2 plus switching

802.3at/af PoE+ ready on all ports with 410W 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



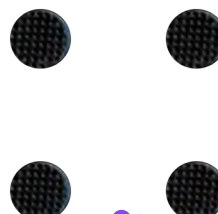
Power Cord



Rack Mount Kit



RJ-45 Console Cable



Rubber Feet Cushion



Product Card

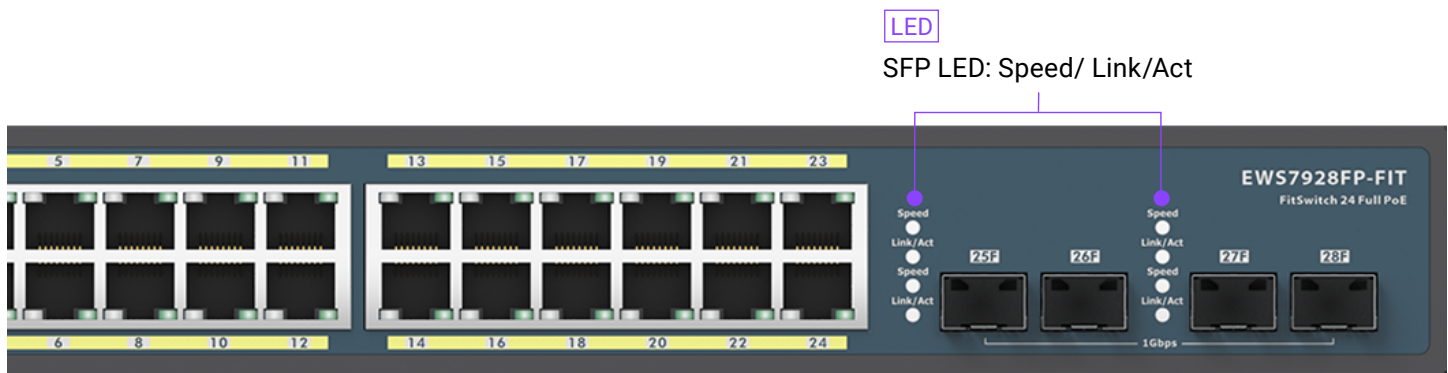
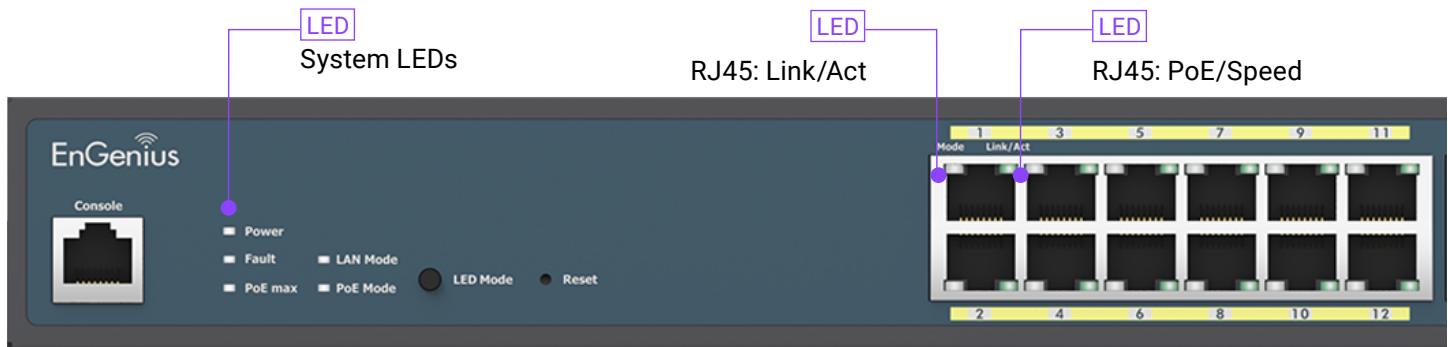
System Requirements

Web Browser

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

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	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 archive 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	Flashing	Link
			Solid On	Transmit or receive on this port
			Light Off	No link
SFP Slot	Speed	Green	Solid On	Speed 1000 Mbps
		Amber	Solid On	Speed 100 Mbps
	Link/Act	Green	Flashing	Link
			Solid On	Transmit or receive on this port
			Light Off	No link

Hardware Mounting

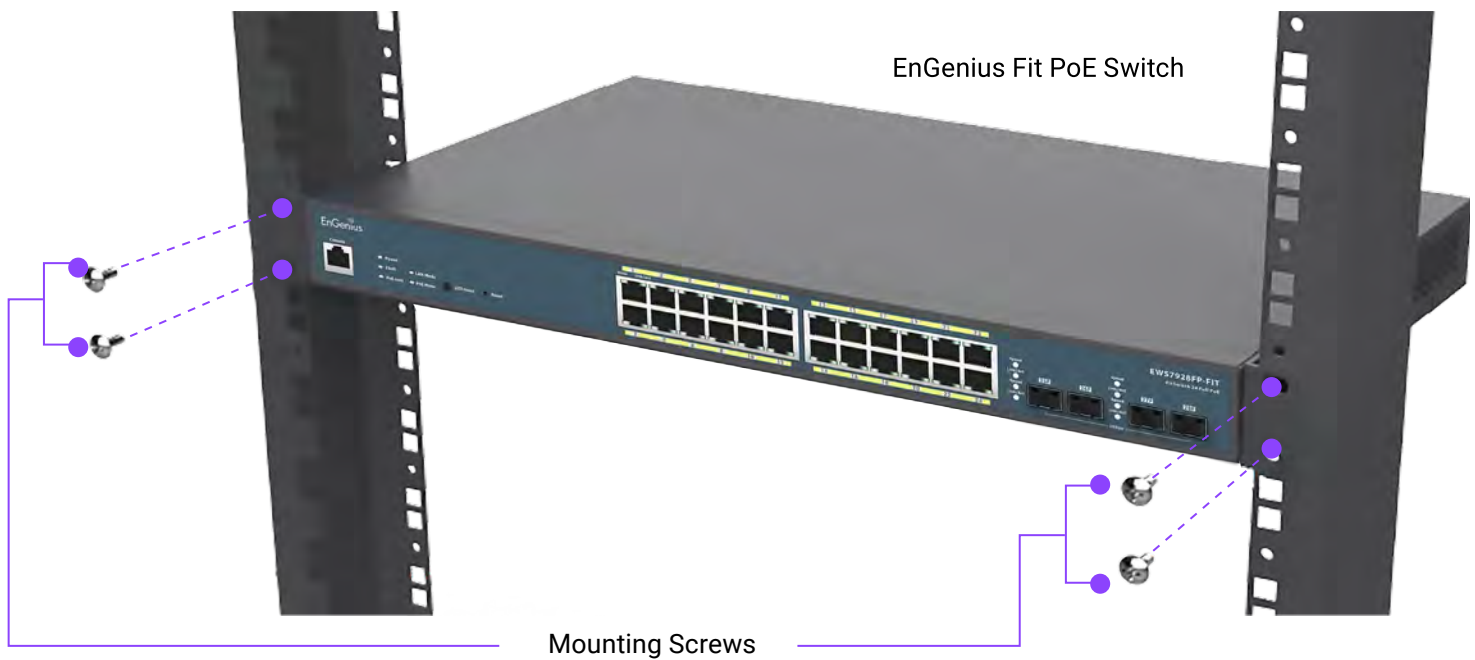
The access point can be mounted on the Wall and Pole, and please perform the steps for the appropriate installation.

Rack Mount

1. 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.



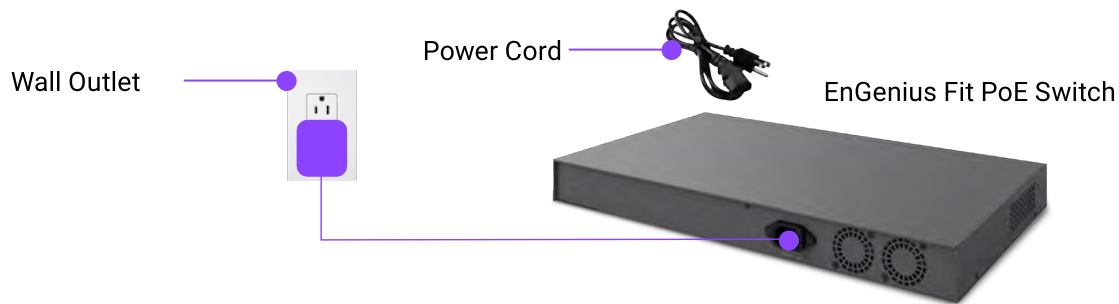
Powering EnGenius Fit Switch

EnGenius Fit Switch can be powered by following:

Power Cord

Connecting to a Power Cord

Connect the Power Cord cable from the EnGenius Fit PoE+ Switch EWS7928FP-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

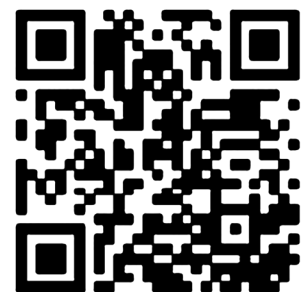
Cloud Management

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

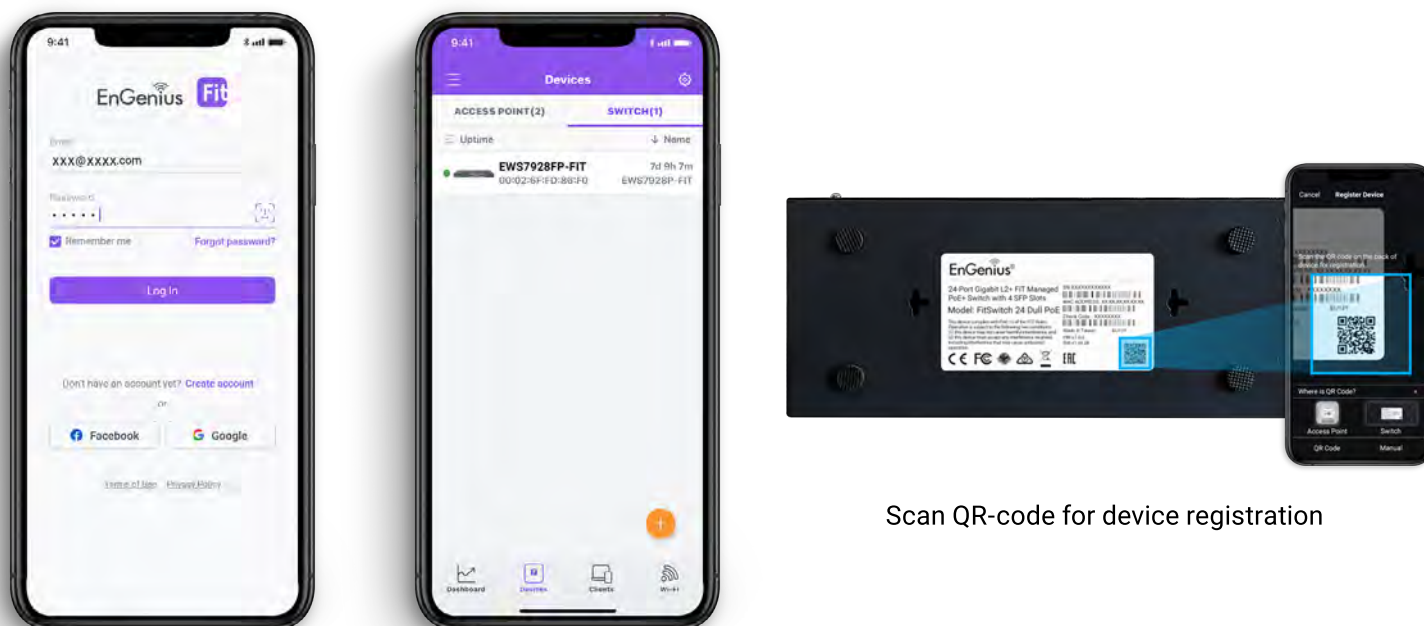
Connect the Ethernet cable from the EnGenius Fit Switch directly to the DHCP-enabled network and make sure the Switch can reach the Internet.



Step 2: Register Device

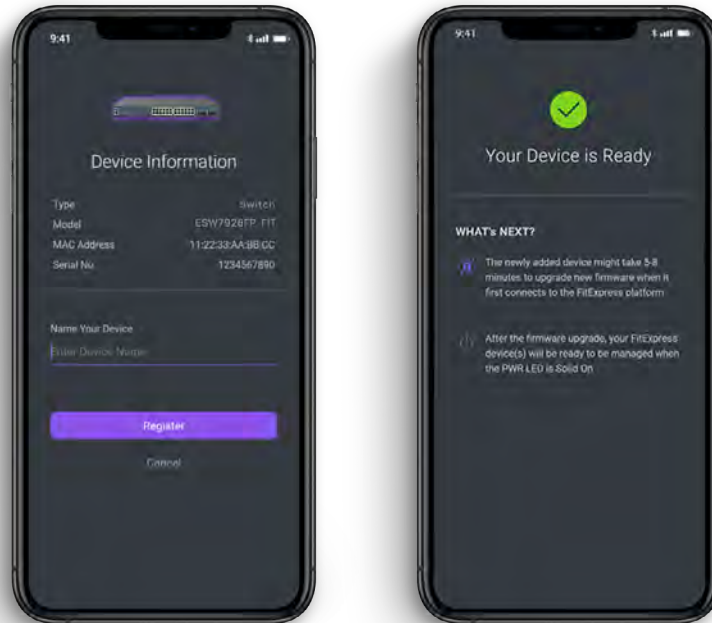
You can register the access point with the FitXpress app.

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.



Scan QR-code for device registration

4. If the camera successfully scans the QR code, the app will display the device information. You can tap “Register” to complete the registration.



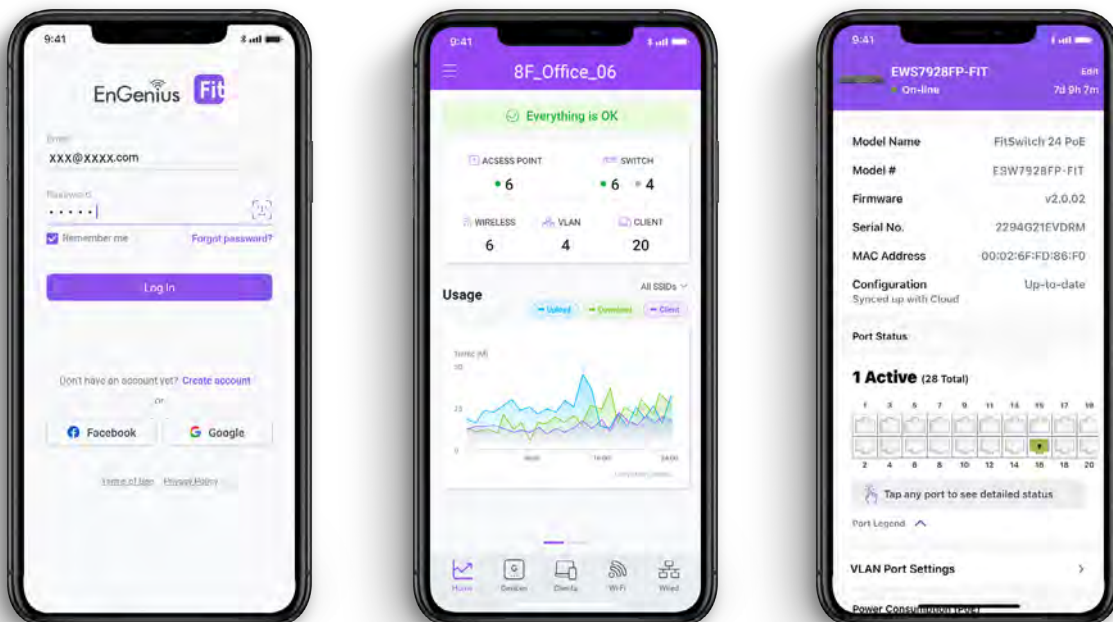
Step 3: Connect to FitXpress

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

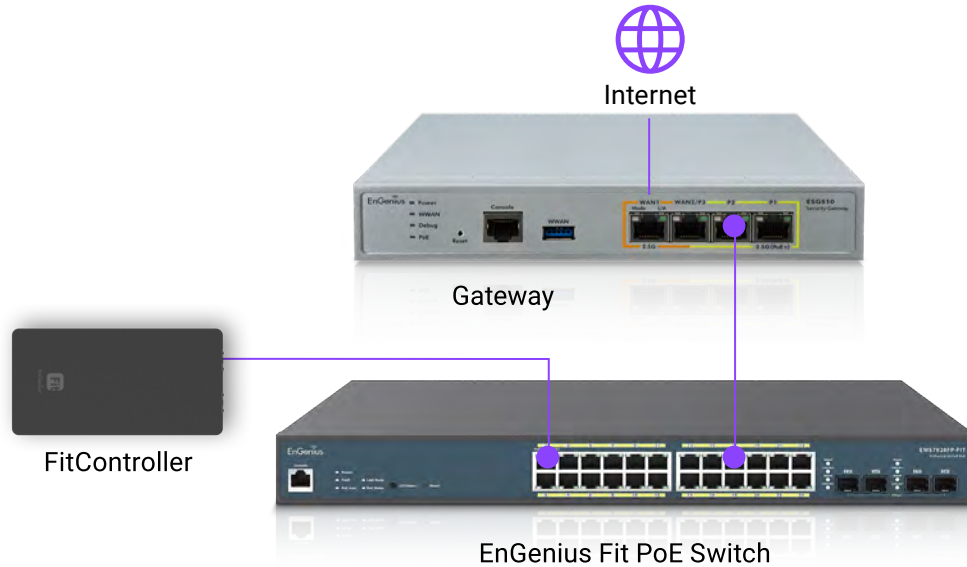
Log in to the FitXpress app to configure detailed settings and monitor your devices.



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

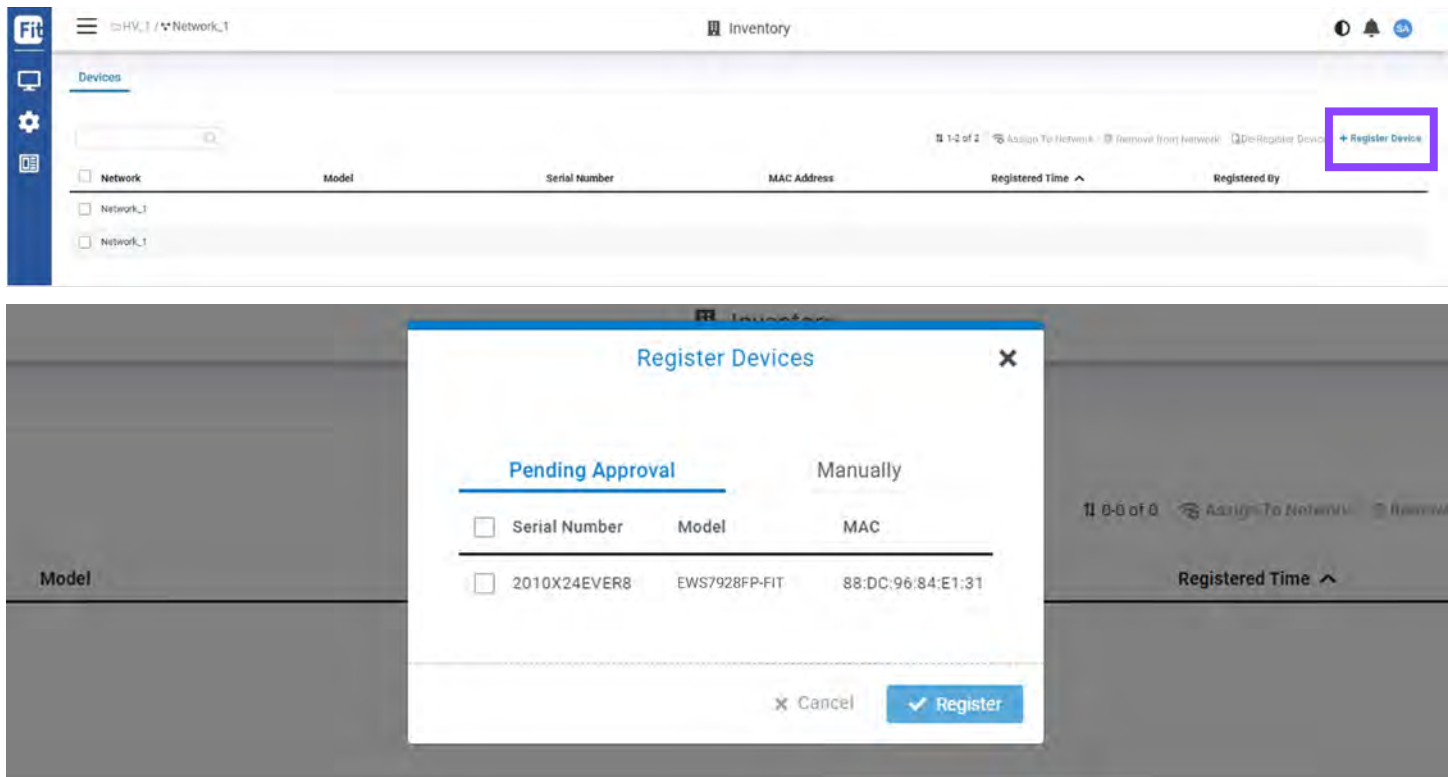
Launch your web browser to access the login page of FitController and create an account. Enter the email address and password that you created and click Sign In.

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 image shows the FitController login page. On the left is a promotional banner for the FitController, featuring the EnGenius logo and a black device. The main content area is the login form, titled 'Sign in to FitCon100'. It includes fields for 'Email' and 'Password', a 'Forgot Password?' link, and a 'SIGN IN' button. At the top right, there are links for 'Don't have an account?' and 'SIGN UP'. The footer contains the version 'v0.0.21' and the copyright '©2022 EnGenius Technologies'.

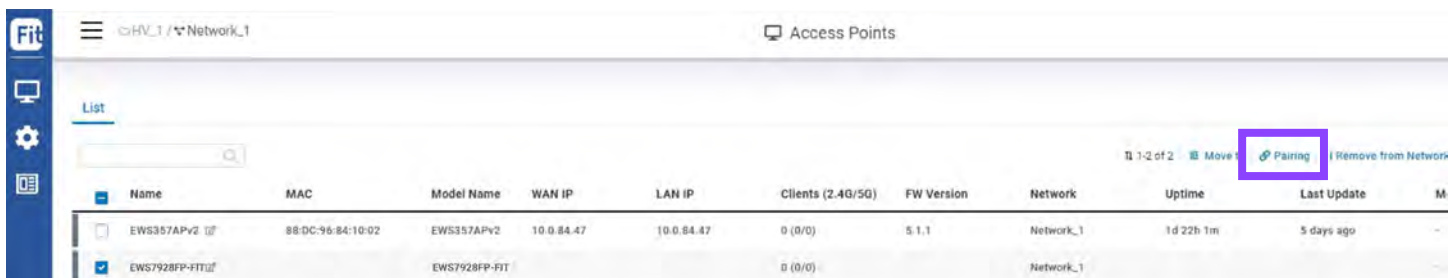
Step 3: Register Device and Assign to Network

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.

Step2: 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.

The image shows the EnGenius Fit Switch local web interface. The top section is a login page titled "Sign in to EWS7928FP-FIT". It has fields for "User Name" (admin) and "Password" (password), with a "SIGN IN" button. Below the login page is the main dashboard, titled "Monitor > Dashboard". The dashboard displays a "Summary" section with various system status indicators, including Model Number (EWS7928FP-FIT), Firmware (V2.0.01-2.00.003), Hardware Version (V1.0.0), Serial No. (2294521EVDAM), MAC Address (00:02:8f:10:86:10), IP Address (10.0.84.125), Subnet Mask (255.255.254.0), Gateway (10.0.85.254), Voice VLAN (OFF), and Auto Frame (1522). It also shows system status (OK), STP (ON), LLDP (ON), and a "Refresh" button. Below the summary is a "Total PoE utilization by port" section, which is currently empty. At the bottom is a "VLAN" table with columns for VLAN ID, Name, Tagged, and Untagged. The table shows two VLANs: VLAN 1 (default) and VLAN 100 (Guest).

VLAN ID	Name	Tagged	Untagged
1	default	—	1-25,11-40
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.