FitController100

EnGenius FIT Network Management Controller (FitCon100)

Introduction

This Quick Start Guide is designed to guide you through the installation of the **FitController100**, model **FitCon100**, including hardware mounting and configuration.

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>
> ## FitController
>
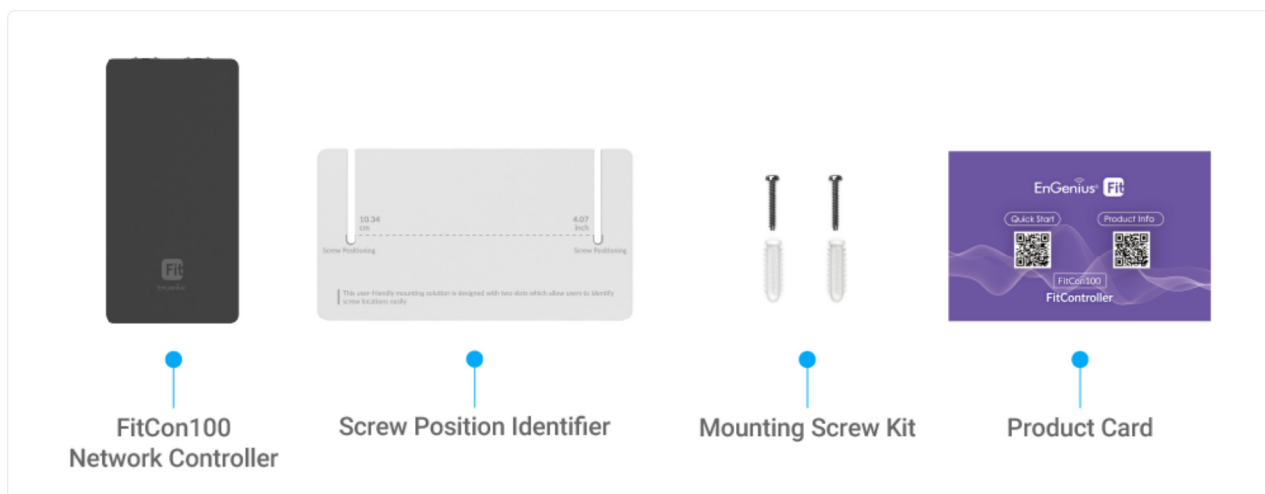> ### EnGenius FIT Network Management Controller
>
> **Model: FitCon100**
>
> - Network Management for Up-To 100 EnGenius Fit APs & Switches
> - Built-in Powerful Qualcomm Quad-Core CPU
> - Plug and Play Installation. Simply plug into Ethernet Switch, no additional downloads or training are required.
> - Simple, Intuitive interface via Fit Network Management software for local or remote AP & Switch configuring & monitoring

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⌄ Content Quick Links

- **Hardware Overview**
- **Hardware Mounting**
- **Configuration**

Package Contents

FitCon100
Network Controller

Screw Position Identifier

Mounting Screw Kit

Product Card

System Requirements

**Web Browser**

- Google Chrome (105.0.5195.127 or later)

Network Requirements

Before you get started, please make sure your network environment is DHCP-enabled. EnGenius FitController is assigned with a default IP address dynamically by the DHCP server.

Please also make sure all the devices managed by the controller are in the same L2-network as the controller.

Hardware Overview

Ports

DC-Jack

Power Indicator

Reset Button

Micro SD Slot

LAN2   LAN1   Mounting Holes
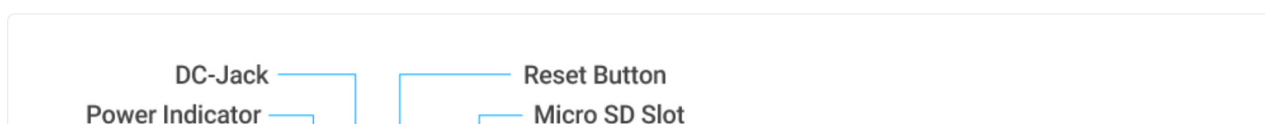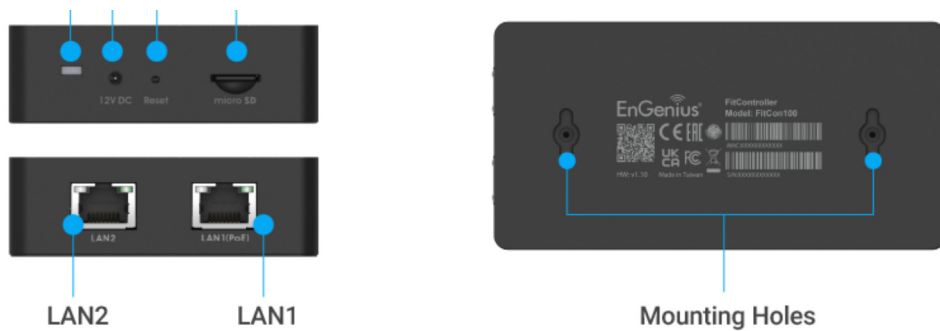
> ⓘ **Reset Button:**
>
> - **Reset to default:** Press and hold the reset button for over **10** seconds, and the **LED (PWR)** will blink for 0.4 secs before the lights off. Then, the device will be reset to factory default settings.

LEDs

| Ethernet LED	LED Color	LED Behavior	Status
LINK/SPEED (Left Side)	Green	Solid On	1Gbp
	Amber	Solid On	Other less than 1G
	Off	Light Off	Disconnected
ACT (Right Side)	Green	Solid On	Link
	Amber	Flashing	Transmit or receive on this port
	Off	Light Off	No Link

Hardware Mounting

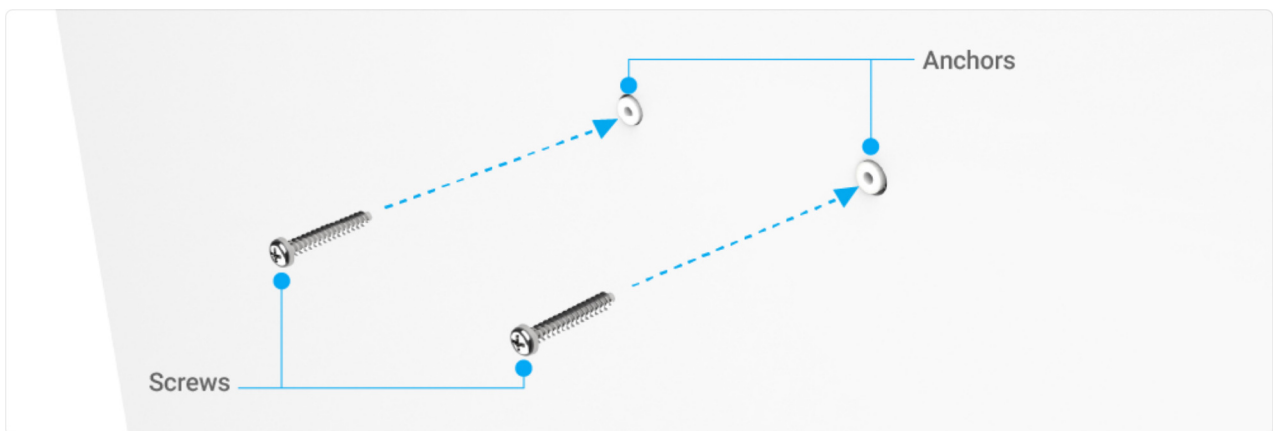1. Mark the screw position with the **Screw Position Identifier.**
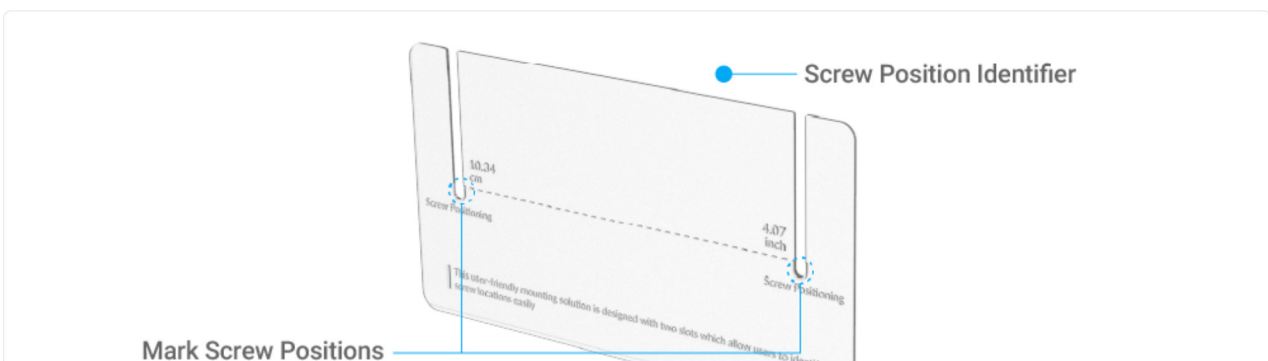
2. Drill the holes with 7mm diameter and 24mm depth on the marks.

3. Insert the **Anchors** into the drilling holes until they are flush with the wall.
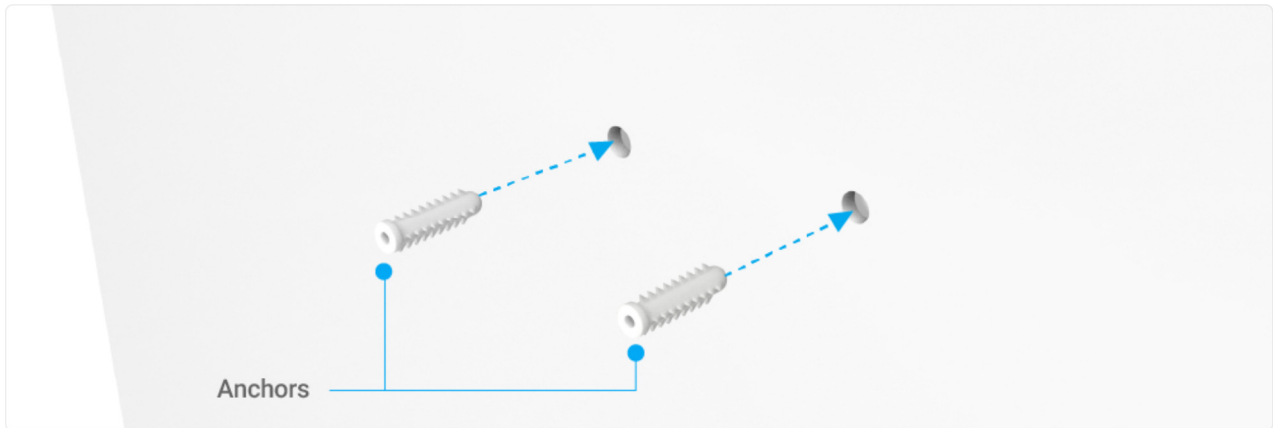
Anchors

4. Insert and tighten the **Screws** into the **Anchors**, but leave the screw head sticking out so you can hang the **Controller** on it.

Anchors

Screws

5. Hang the **Controller** against the wall onto the **Screw** heads.


Screws

Controller
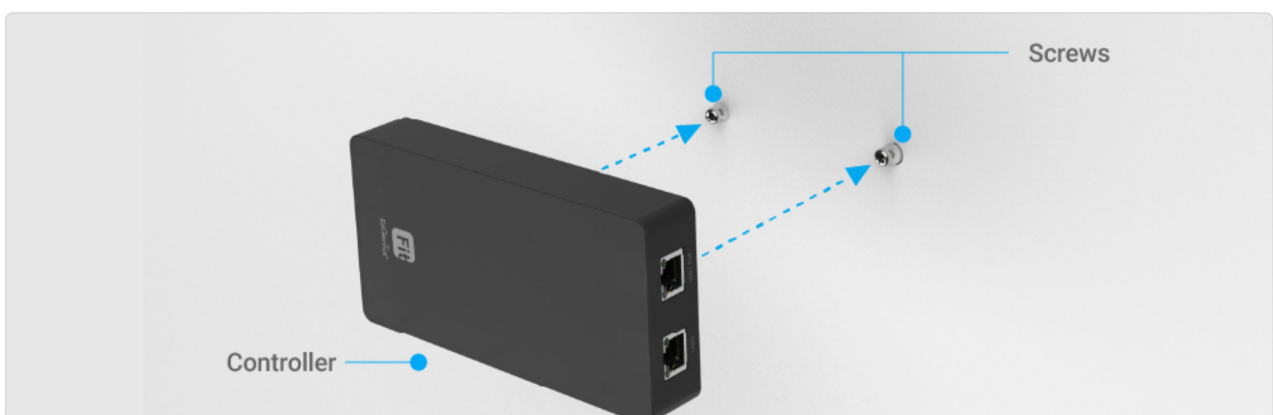
Power On Device

The EnGenius FitCon100 devices can be powered by any of the following:

- EnGenius Cloud PoE Switch or 802.3af PoE+ compliant Switch
- Power Adapter (DC 12V power input)

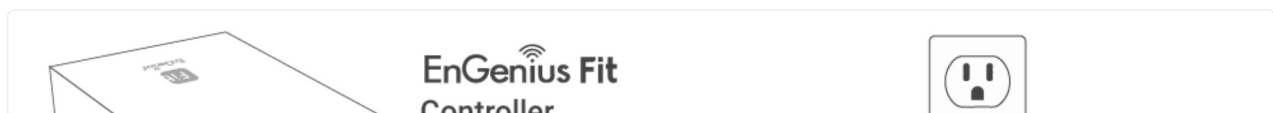> ⚠ Caution: Do not use both power sources at the same time.
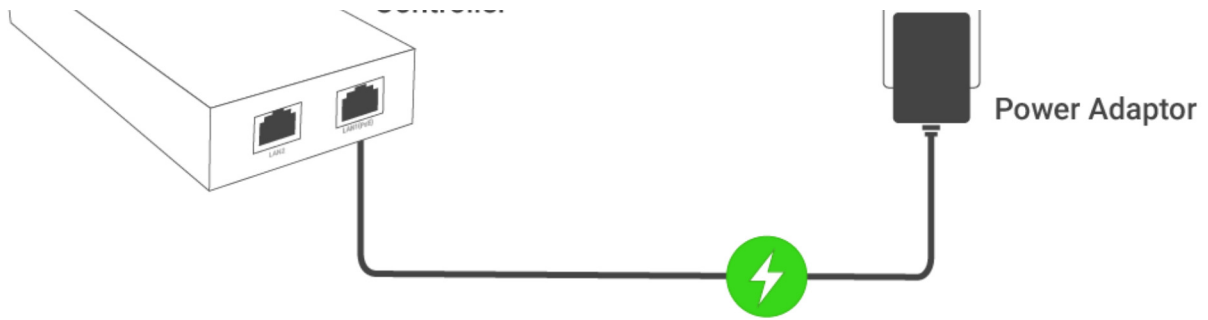
Connecting to a PoE Switch

Connect the Ethernet cable from the EnGenius Fit Controller directly to the PoE port of the PoE switch.
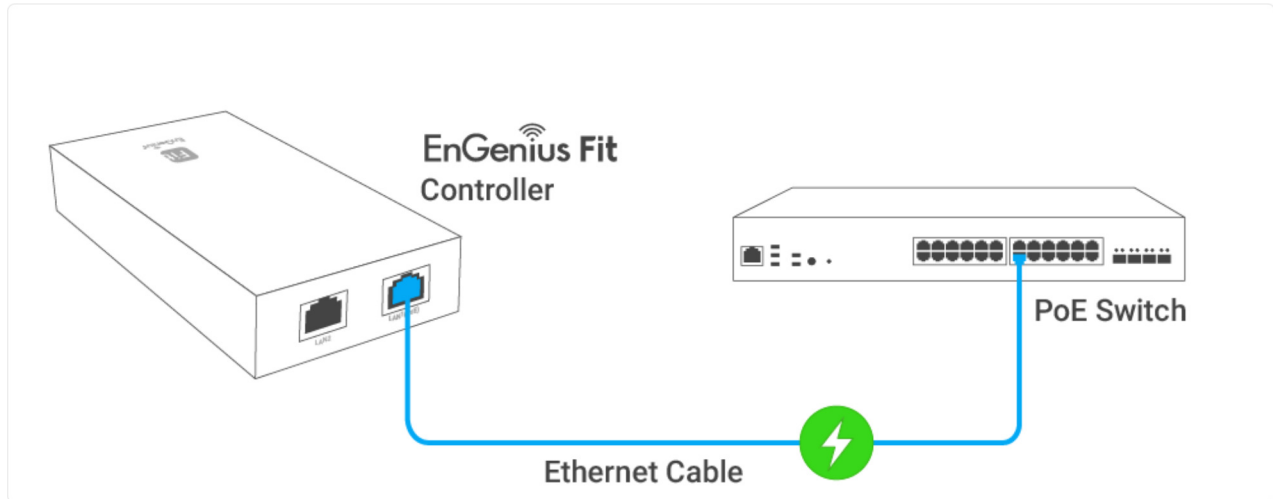
Powering with a Power Adapter

Connect the Power Cord to the adapter, and then plug the Power Cord into the power outlet.

Power Adaptor

Configuration

Step 1: Access to the Web Page

You can access the controller's web page by using the controller's **DHCP-assigned IP** or **default IP address**.

Connect to Controller via DHCP-assigned IP

1. Connect the controller to the network and ensure that your host system is on the same Layer-2 network as the controller.
2. Check the DHCP server for the controller's IP address, and enter the IP on your browser's address bar to access the device's user interface.

Connect to Controller via Default IP

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

Controller :192.168.1.250:8080   PC IP :192.168.1.1~192.168.1.254
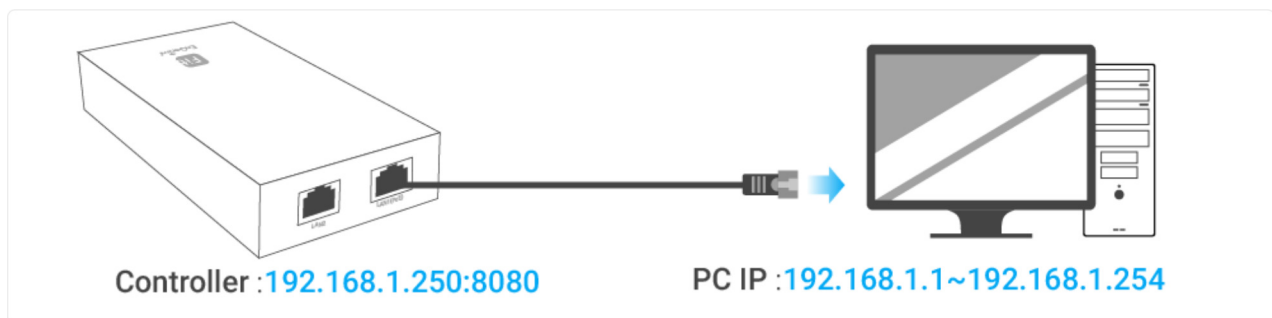
2. Under your web browser, enter the URL: http://192.168.1.250:8080 to access the

device's user interface.

Step 2: Create Account and Log In

Create your own account and password to log in to the controller's local web page.

Step 3: 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 controller accordingly.

THROUGHPUT

All SSIDs ▾ | 📅 Day ▾

Clients

● Total ● Download ● Upload ● Clients

Traffic

Clients		Traffic
10		10 Kbps
8		8 Kbps
6		6 Kbps
4		4 Kbps
2		2 Kbps
0		0 bps
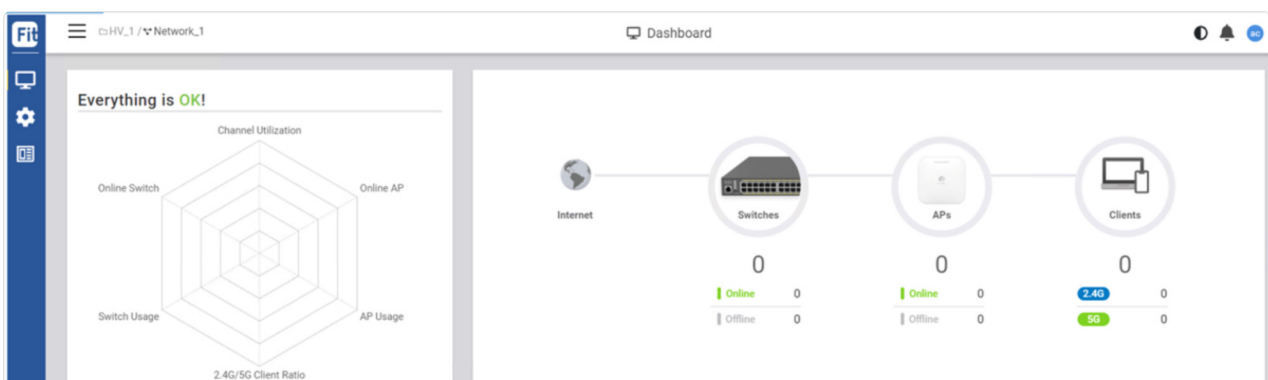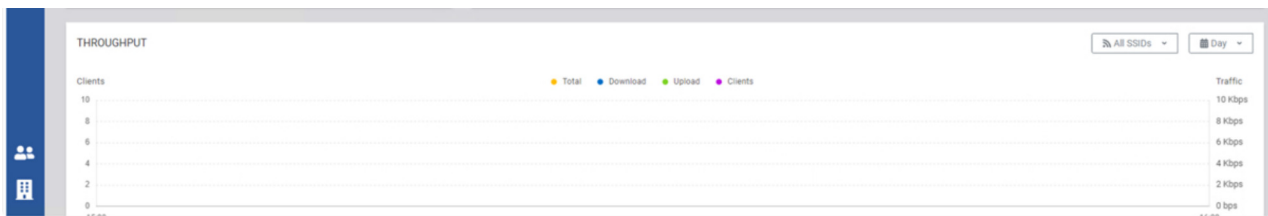
ⓘ For information on configuring the controller, refer to the **user manual**: https://docs.engenius.ai/fitcontroller-user-manual/