

FitGateway6 4G 1SFP

EnGenius FitXpress 4-Port Gigabit PoE+ VPN Router (XG60-FIT)

Introduction

This Quick Start Guide is designed to guide you through the installation of the FitXpress **FitGateway6 4G 1SFP**, model **XG60-FIT**, including hardware mounting and configuration.



FitGateway6 4G 1SFP

EnGenius FitXpress 4-Port Gigabit PoE+ VPN Router

Model: XG60-FIT

- 4 x Gigabit Ports to unleash elevated speeds for NAS, workstations, or Wi-Fi 5 APs
- 1 x PoE+ port for a wide range of networking devices such as IP cameras, VoIP phones, workstations and more

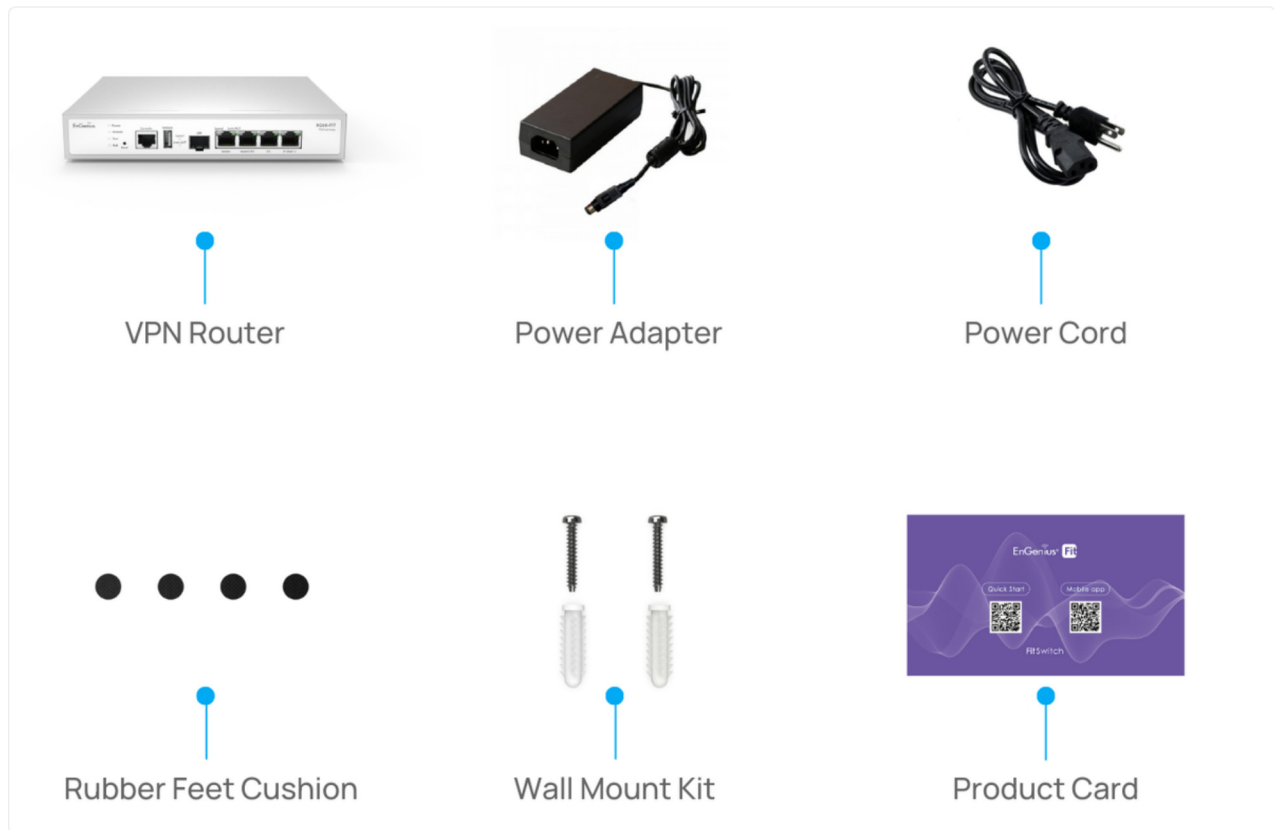
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Package Contents



System Requirements

The EnGenius Fit is primarily accessible with a web browser or mobile app. Before signing up for the EnGenius Fit Service or logging on to the EnGenius Fit Platform to manage your network, ensure that you've downloaded the right app and used the supported browser.

FitXpress App (iOS/Android)

[!\[\]\(339a16584d5da0f0a3ca4e9ec17bf6a1_img.jpg\) Download the FitXpress mobile app here](#)





Web Browser:

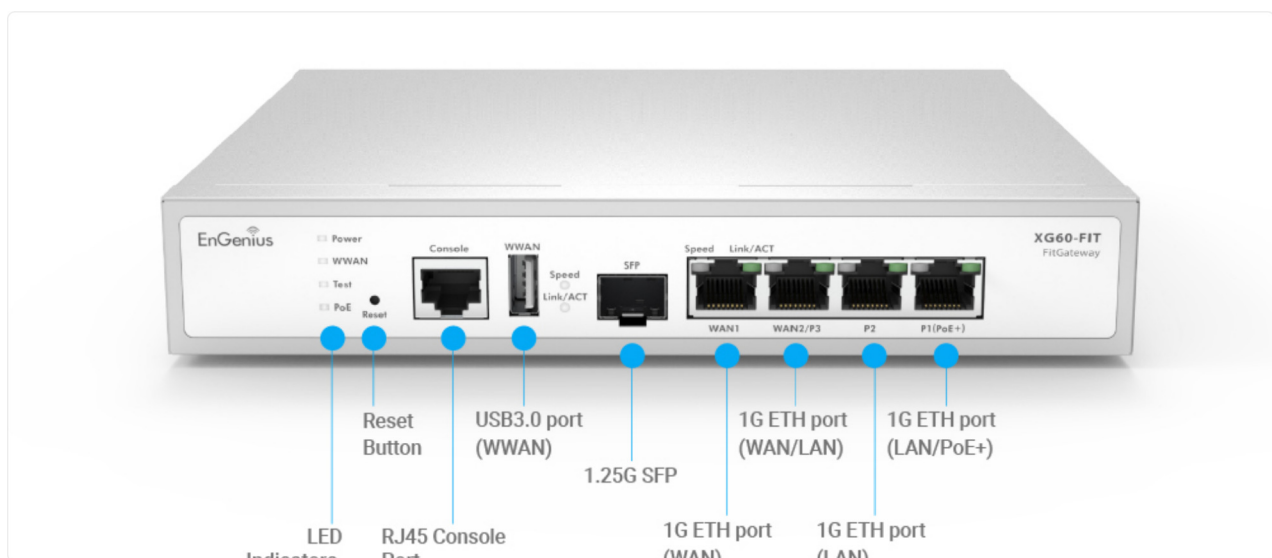
- Google Chrome (57.0.2987.110 and later)
- Microsoft Edge (80.0.361.103 and later)
- Mozilla Firefox (52.0 and later)

Network Requirements

Before you get started, please make sure the WAN access method in your network environment which will be used to connect this VPN Router device to the Internet; by default, EnGenius **FitXpress VPN Router** (XG-series) is able to assign IP addresses by its internal DHCP server when users connect their client devices to LAN ports (P1, P2, or P3 port).

Hardware Overview

Ports



- **Reset to default:** Press and hold the reset button more than 10 seconds, and the **Power/WWAN/Test/PoE** LED will become Flashing. Then, the device will be reset to factory default settings.

LEDs

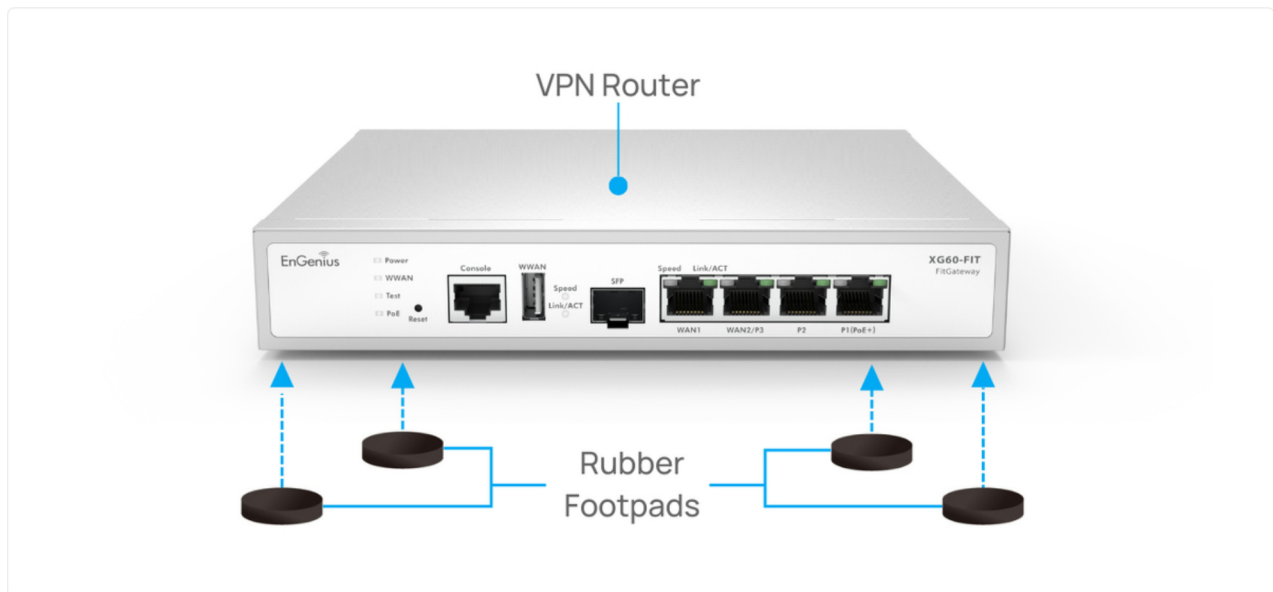
Location	LED Indicator	LED Color	LED Behavior	Status
System	Power	Orange	Flashing	Power On
		Green	Flashing	Connecting to the Cloud
			Solid On	Cloud Connected
		Green/Orange	Flashing	Firmware Upgrading
		Green	Flashing	Reset to Default by HW Button (Push over 10 sec)
			Flashing	Gateway Locating
	WWAN	Orange	Flashing	Reset to Default by HW Button (Push over 10 sec)
			Flashing	Gateway Locating
	Test	Blue	Flashing	Reset to Default by HW Button (Push over 10 sec)
			Flashing	Gateway Locating
	PoE	Green	Solid On	Providing PoE Power
Ethernet Port	Left (Link Speed)	Orange	Solid On	1G Speed
		Green	Solid On	100M Speed
		Off	Light Off	10M/No Link
	Right (Status)	Green	Solid On	Link established
			Flashing	Data Transmit
		Off	Light Off	No Link
SFP Slot	Link Speed	Orange	Solid On	1.25G Speed
		Green	Solid On	100M Speed
		Off	Light Off	No Link
	Link/Act	Green	Solid On	Link established
			Flashing	Data Transmit
		Off	Light Off	No Link

Hardware Installation

The **FitXpress VPN Router** can be placed on a flat surface or installed on the wall. Please perform the following steps to install:

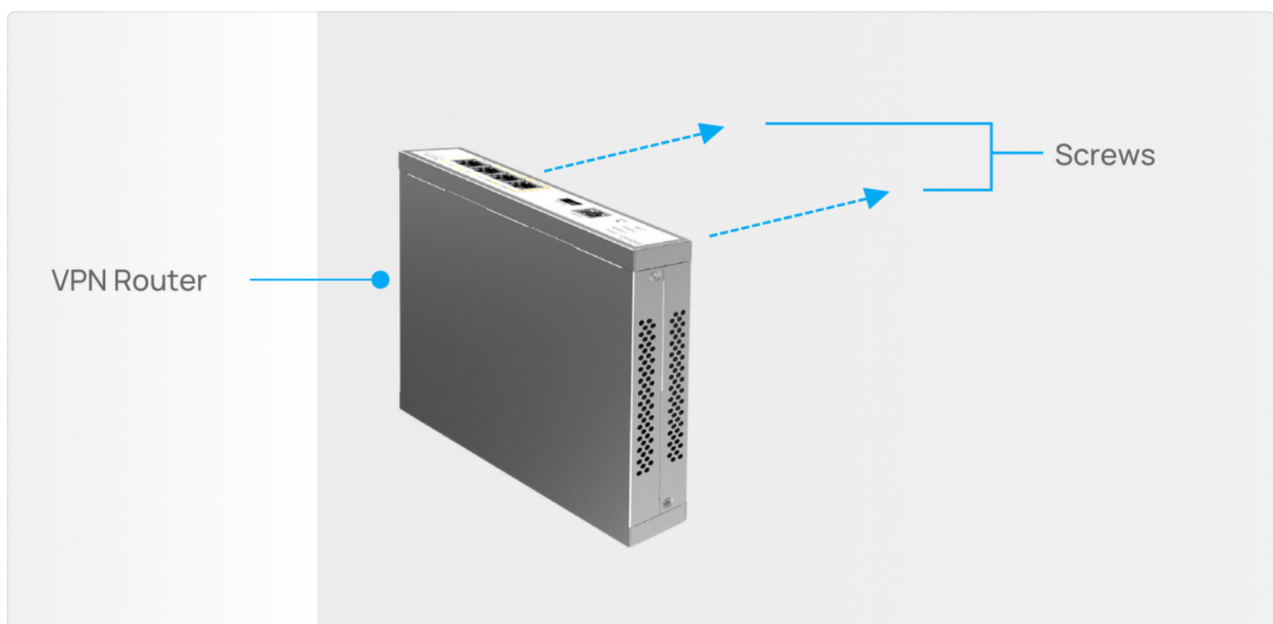
Place on a Flat Surface

Attach the **Rubber Footpads** at the bottom of the VPN Router at each corner. The **Rubber Footpads** help secure the VPN Router and protect it from vibration and shock when stacking.



Wall Mount

To mount the **FitXpress VPN Router** on a wall, install the two provided **Screws** in positions that correspond to the slots on the bottom side of the **VPN Router**, then mount the **VPN Router**.



Cloud Management with FitXpress

Step 1: Connecting to Ethernet

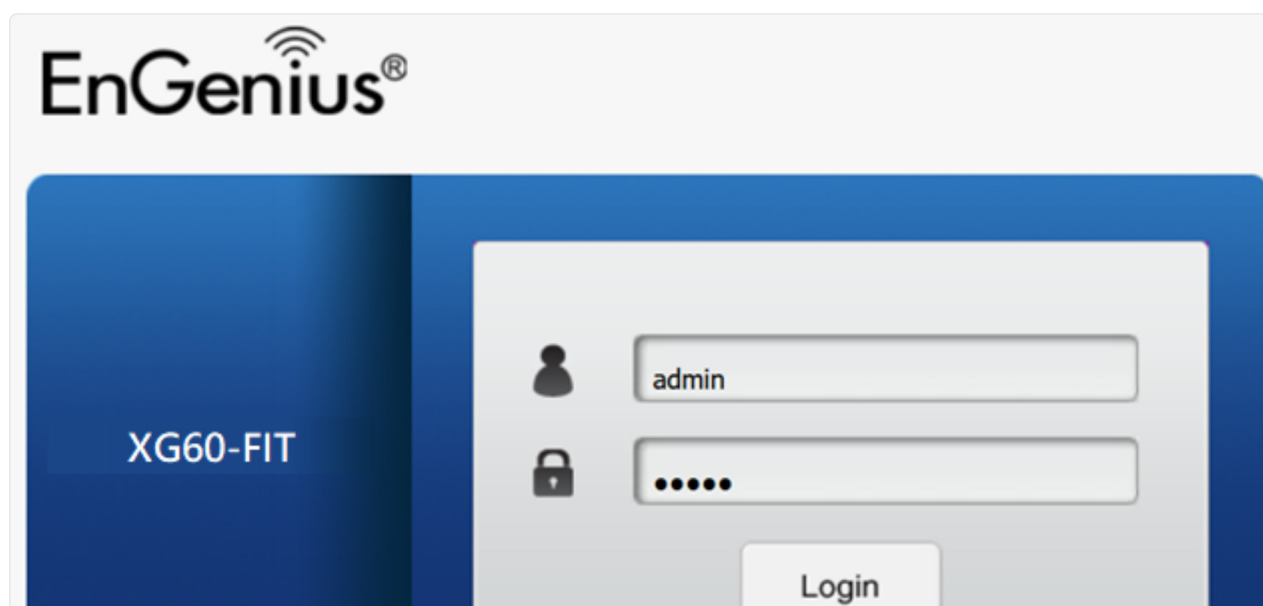
Connecting Ethernet to WAN1

Depending on WAN connection type in your network, WAN1 default connection setting is DHCP; if your WAN connection type is DHCP, after you connect Ethernet cable to WAN1 port, you can skip the next WAN1 connection set-up section through VPN Router Local Status Page.

WAN1 Connection Set-up through Device Local Status Page

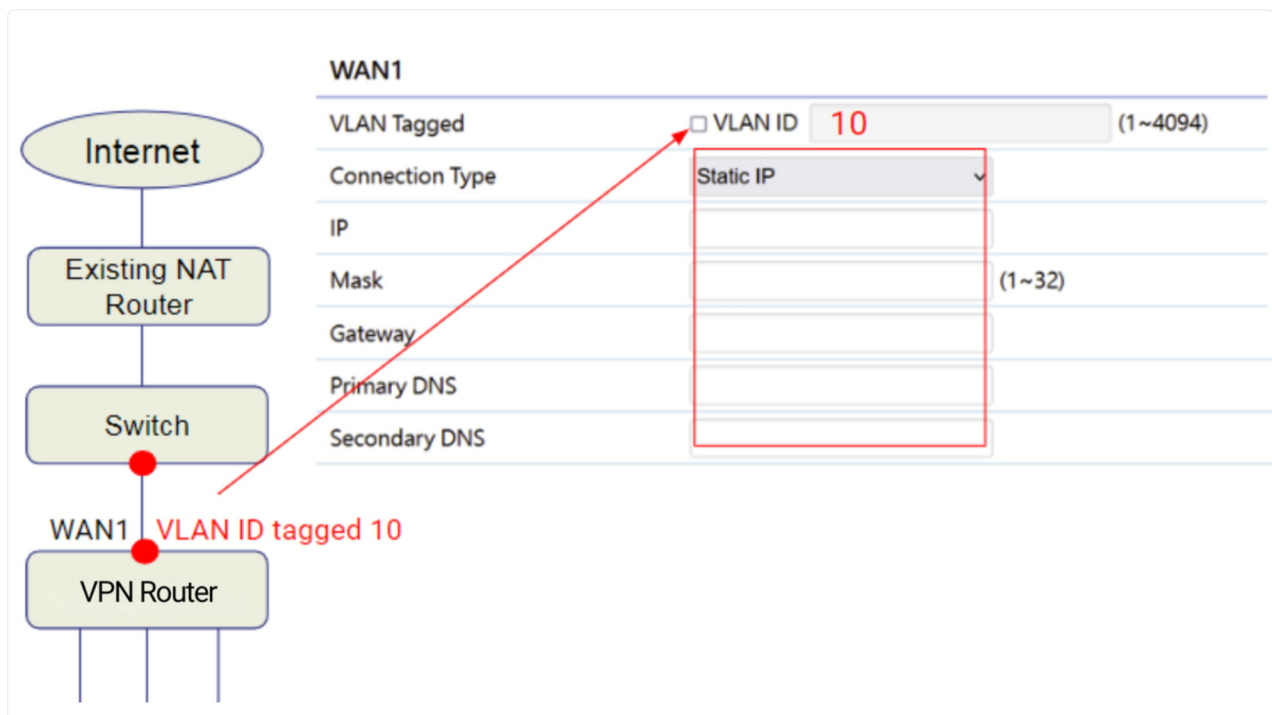
If your WAN connection type is Static IP or PPPoE, after you connect Ethernet cable to WAN1 port, you have to access the VPN Router's Local Status Page to configure WAN1 connection. User can connect a PC to P1, P2, or P3 LAN port, and then open browser and type `http://192.168.66.1` or `http://local.engenius` in URL field., where default login username/password is admin/admin

Note: After FIT VPN Router has been assigned to an Organization/Network, this local credential will be updated by the Local Credential setting in Cloud Configuration (Configure > General Settings > Local Credential).



(a) WAN1 Connection by Static IP

Please fill in the IP address config information for your WAN connection {if the uplink switch has tagged VLAN, you need to specify its VLAN ID accordingly).



The diagram shows a network topology where an Internet connection passes through an Existing NAT Router and a Switch to reach a VPN Router. The Switch is configured with VLAN ID 10 tagged on the WAN1 port. The configuration form for WAN1 is shown with the following fields:

WAN1	
VLAN Tagged	<input type="checkbox"/> VLAN ID 10 (1~4094)
Connection Type	Static IP
IP	
Mask	(1~32)
Gateway	
Primary DNS	
Secondary DNS	

(b) WAN1 Connection by PPPoE

Please fill in the PPPoE config information for your WAN connection (if the uplink switch has tagged VLAN, you need to specify its VLAN ID accordingly).

Config WAN1 PPPoE

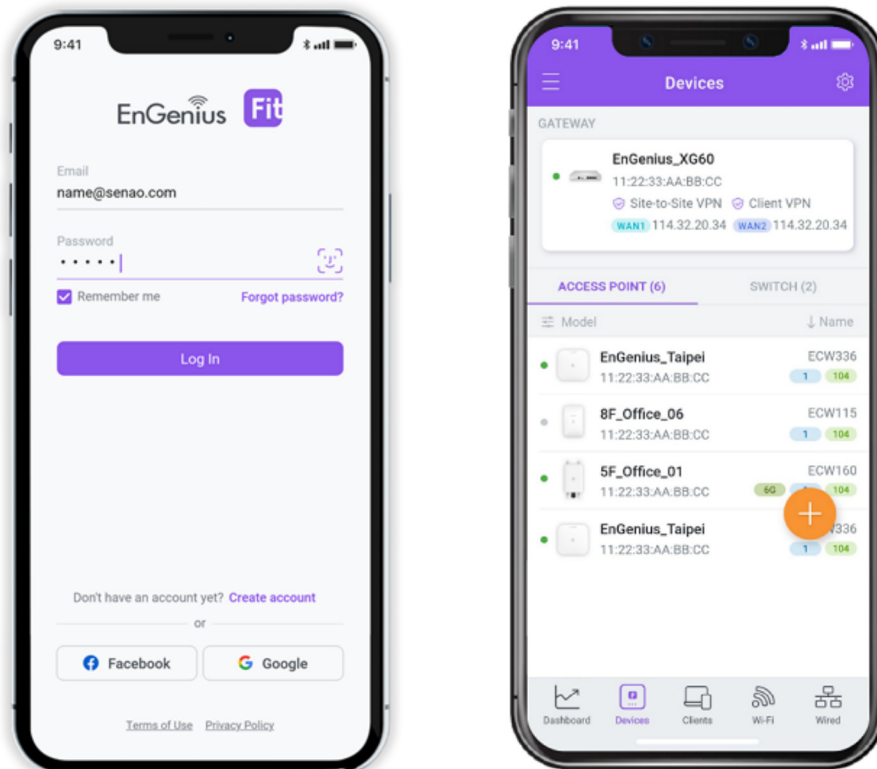
WAN1	
VLAN Tagged	<input type="checkbox"/> VLAN ID (1~4094)
Connection Type	PPPoE
Username	
Password	

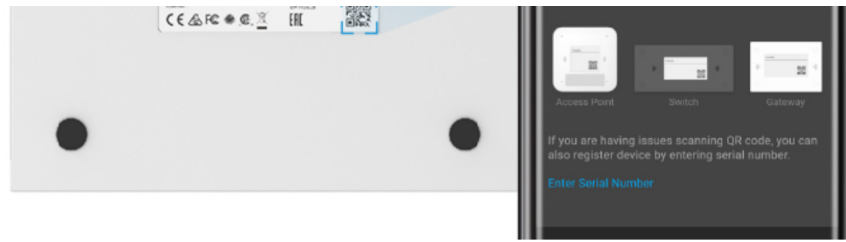
Step2: Register Device

You can register the device with the **FitXpress app** or the **FitXpress Cloud platform**.

FitXpress Mobile App

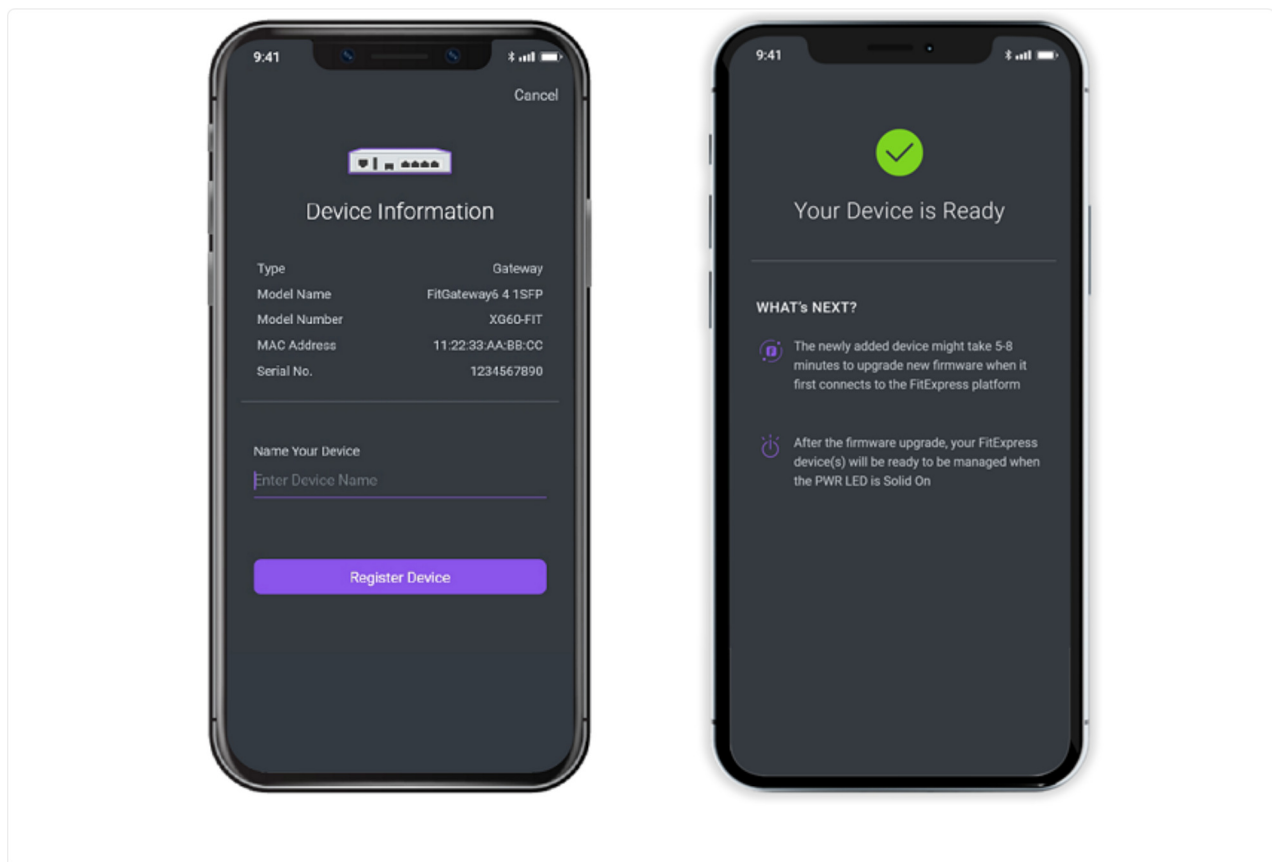
1. Open the **FitXpress** mobile app and create an account.
2. Log in and go to the **Devices** section. Click the **Add(+)** button.
3. Scan the QR code on the back of the device via the app.





Scan to Register

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



Step 3: Connect to the FitXpress

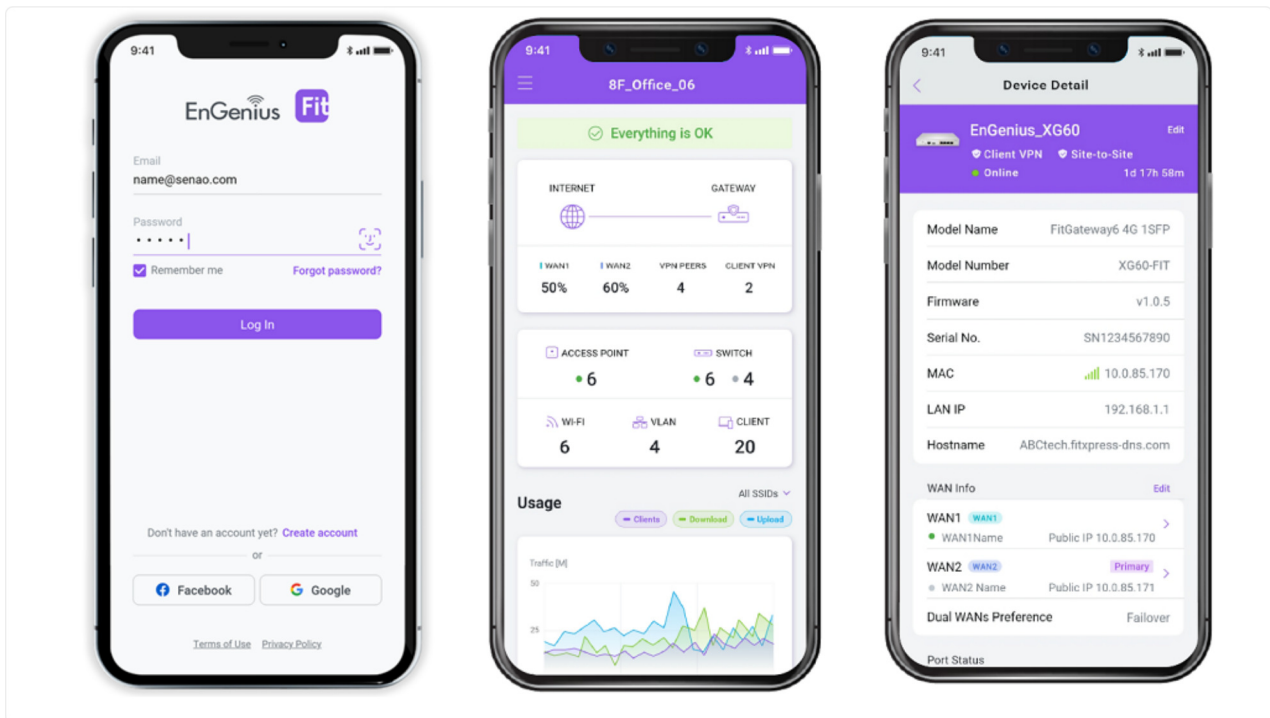
Once the device is powered on and ready to connect to the Internet, the **PWR LED** will stay **Solid On**, which means the device is now connected to the **FitXpress** platform. It will automatically download the default configuration settings from FitXpress for automated provisioning.

ⓘ When the VPN Router 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.



Troubleshooting

If your VPN Router device cannot be managed by the Fit VPN Router Platform, there might be a problem with connecting to EnGenius Cloud.

To troubleshoot the connection issue, you may log in to the **VPN Router Local Web** page:

1. Make sure that your computer LAN interface is set to DHCP and connect to VPN Router LAN port to get DHCP IP address from the VPN Router. By default, the computer should get the IP address in this segment 192.168.66.x.
2. Under your web browser, enter the URL: <http://192.168.66.1> to access the VPN Router's local status page web interface.
3. You can review the device status after logging into the VPN Router with the default

admin account/password (admin/admin).

4. Check the information on the **Device Status** and take action if necessary.

i Cloud Overview

Cloud Registration	YES
Date of Registration	2022/05/17 18:45:48
Last Update Time	2023/02/15 18:45:03

< Network Connectivity

WAN Network

Connected to network successfully

• WAN1: 192.168.2.114

Internet

Connected to Internet successfully

EnGenius Cloud

Connected to EnGenius Cloud successfully

Device registered

! Change WAN IP Assignment Settings

By default, the EnGenius Fit VPN Router's WAN1 setting is set to DHCP client. If you encounter issues with IP address assignment, please double-check the IP setting, including IP address, subnet mask, VPN Router, DNS, and management VLAN. If the issue still exists, you may change your IP assignment from "**DHCP**" to "**Static IP**" or "**PPPoE**" via the following procedure in the VPN Router's Local Status Page page.

1. Go to the **Local Setting** section.
2. Change Configuration setting to "**Static IP**" or "**PPPoE**".
3. Configure the needed settings for the selected type.
4. Reconnect this VPN Router to the network and try again.

The screenshot shows the EnGenius Local Setting page. The 'Device Settings' section is active, showing 'System Name' as 'ESG510-08BF'. Under the 'WAN1' section, 'VLAN Tagged' is checked and 'VLAN ID' is set to '(1-4094)'. The 'Connection Type' dropdown menu is open, showing options: 'DHCP', 'Static IP', 'PPPoE', and 'Static IP'. The 'Static IP' option is highlighted. The 'WAN2' section is partially visible below.

