



Демонстрация установки и настройки решения EnGenius FIT







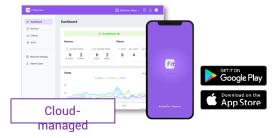
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EnGenius

- Short introduction
- **EnGenius Fit introduction**
- **FitController**
- **FitXpress**
- Comparison
- Questions

FitXpress



FitController





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EnGenius Fit Smart Networking for Small & Medium Business



Introducing EnGenius Fit Solution



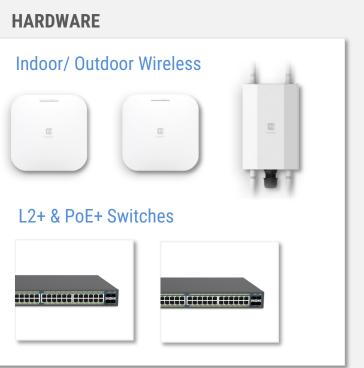


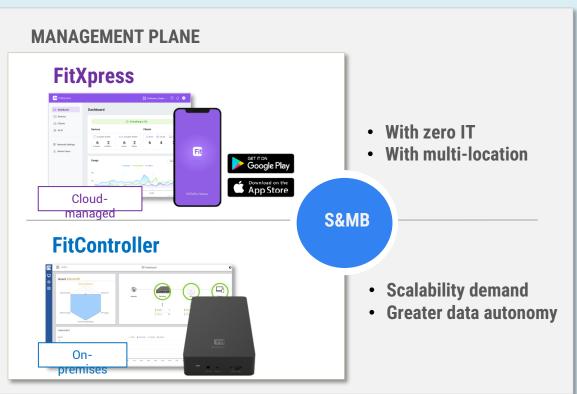
EnGenius What is EnGenius Fit?



Network Solution Designed for Small & Medium Businesses

- ✓ Reliable, secure and smart networking (Wi-Fi)
- ✓ Business-grade hardware but affordable price
- ✓ Meet the needs with flexible management options

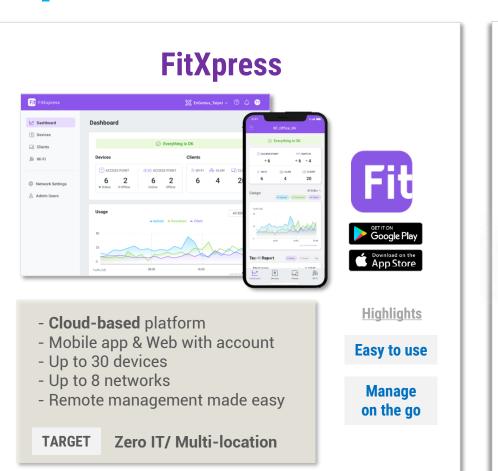






Flexible Management Planes

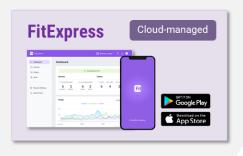
Meet the needs of small & medium businesses with flexible management options.



FitController EnGenius Fit **FitControlle Highlights** - **On-premises** appliance - Plug & play, no software required **Scalability** - Up to 100 devices - Up to 50 networks **Enterprise** - More enterprise-level features features **TARGET VARs/Sis/Data Autonomy**



Designed for Small & Medium Businesses







BUSINESS PROFILE

- ✓ Zero or less IT
- ✓ Tiny size of branch location

Small & Medium Business

- ✓ Growing biz with scalability demand
- ✓ Greater data autonomy & privacy

SOLUTION DEMAND

Everything needs to be easy

Easy onboarding

Easy configuration

Easy monitoring

Easy troubleshoot

- ✓ Future network expansion
- ✓ More enterprise-level features
- ✓ More historical network data

NETWORK DEPLOYMENT

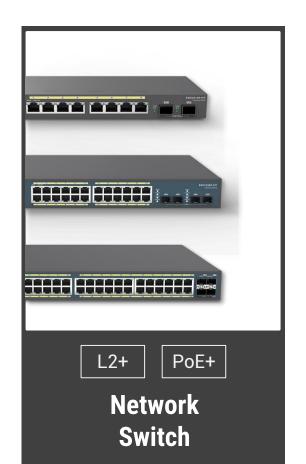
- Remote management for multi-location
- ✓ Up to 30 devices
- ✓ Manage on the go
- ✓ User delegation for management

- ✓ Diverse deployment
- ✓ Up to 100 devices
- ✓ More networks with hierarchy



EnGenius Fit Hardware Family

High-quality and business-class hardware at affordable prices







Managing with **FitController** | 02

https://fitcon-demo.engenius.ai/



Why FitController?





FitController in Nutshell

On-Premises NMS platform for small & medium businesses with scalability demand and greater data autonomy.





Businesses with scalability demand

- Growing business for future network expansion
- More enterprise-level features for network complexity and diverse applications

Businesses data autonomy requirement

- On-premises deployment for network management
- Diverse local deployment for multiple submanaged domains



Simple Installation with Optimized Performance

Built-in Enterprise-grade NMS

A network appliance with market-proven and professional NMS built-in

- ✓ License-free NMS
- ✓ Come with enterprise-level features for network management

Custom Hardware

Designed with custom hardware for optimized performance

- Specially built hardware for network management
- ✓ Scale management up to 100 devices

On-premises Management

On-site deployment to manage your networks, keeping data local and secure

- ✓ All network data would be kept within the FitController
- ✓ Encrypted control packet between FitController and devices

Easy Installation

Quick installation without complex preliminary settings

- ✓ Plug & play with PoE and without any server configurations
- ✓ Compact size with fanless design





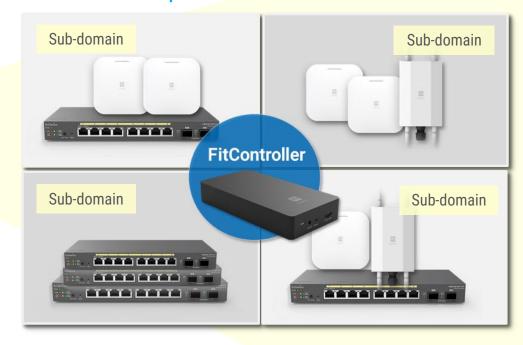
Scalability for Network Expansion

Expand your network with more managed devices and sub-managed domains

Manage up to 100 Devices



Divide into up to **50** Networks





Hardware Design and Overview

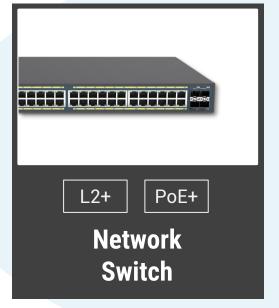




Manage All EnGenius Fit Hardware

FitController supports managing the EnGenius Fit hardware portfolio.







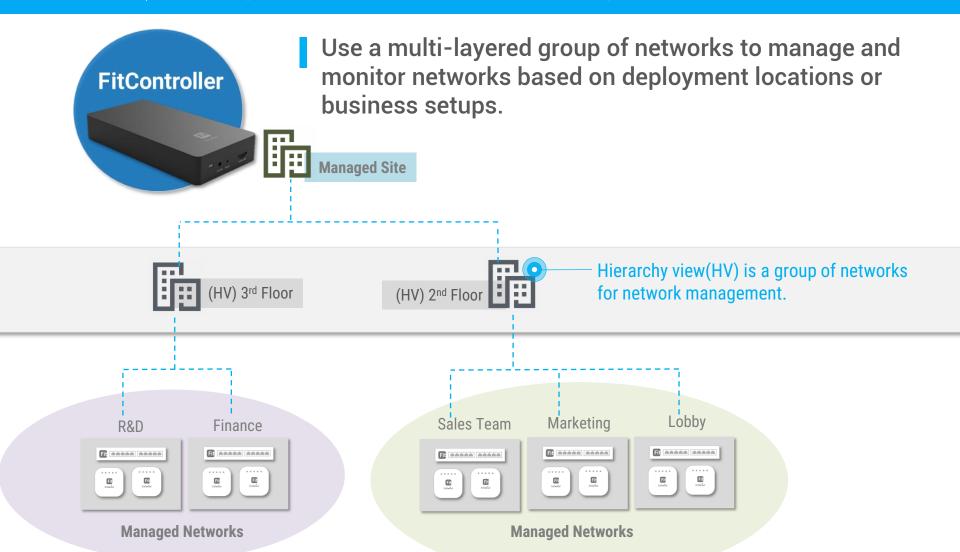




FitController Feature Highlights

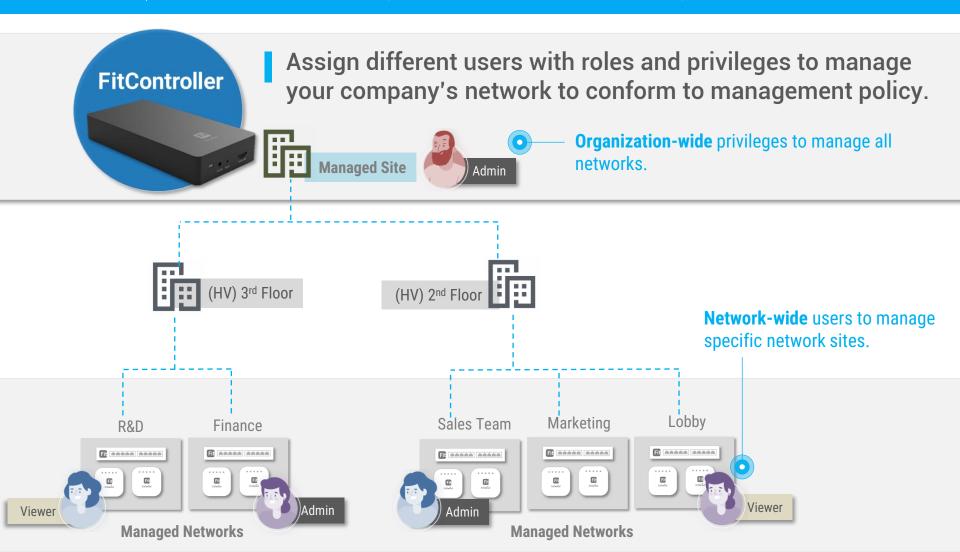


Manage Your Network with Hierarchy View





Multi-tenant Design with Roles and Privileges





Network Health and Dashboard

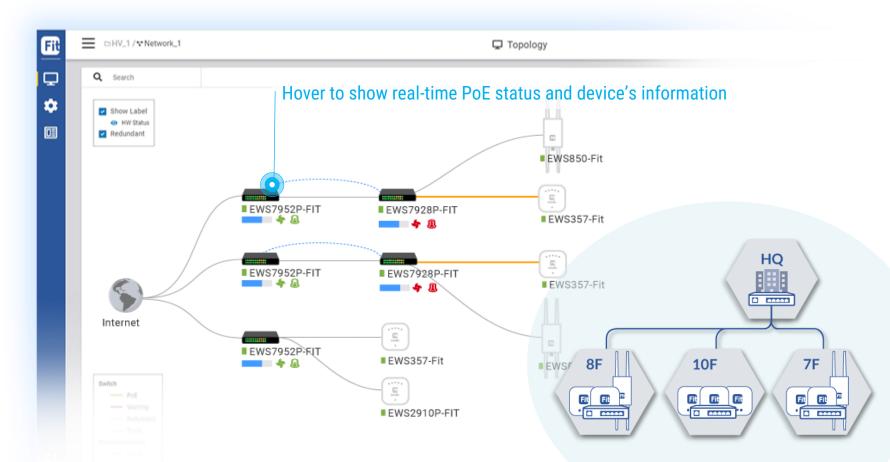
Holistic assessments of real-time network health let you provide rapid responses to network issues.





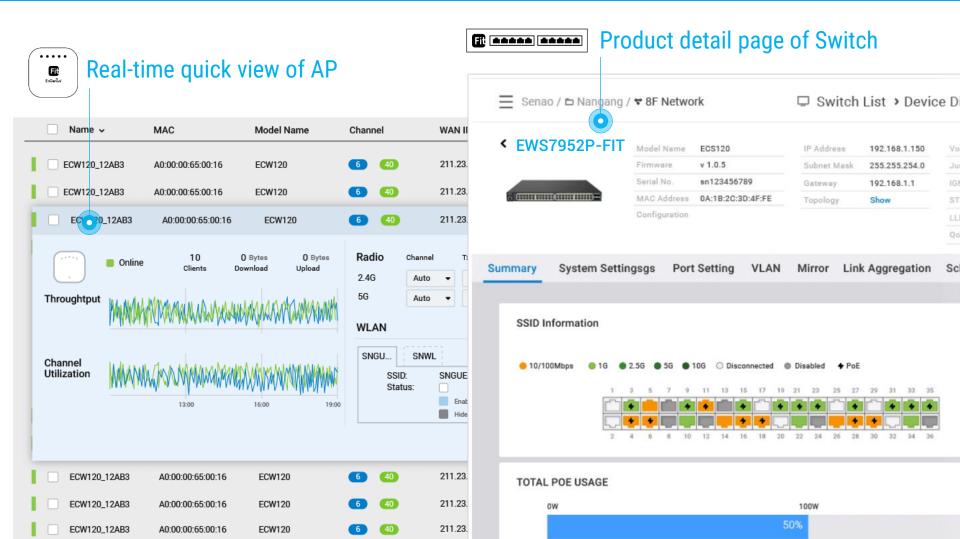
View Real Connections of Devices with Topology

The topology view displays all the devices managed by FitController and the relationships between devices.





Quick Access to Device Status and In-depth Info

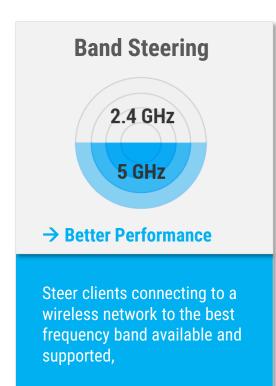




WLAN Management (I)

Providing business-class Wi-Fi networks to your clients without the security breach between clients



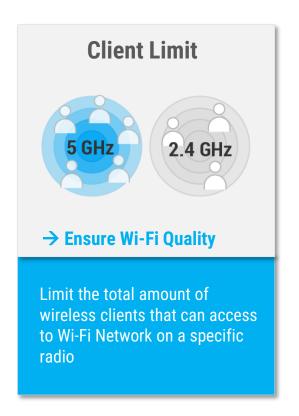


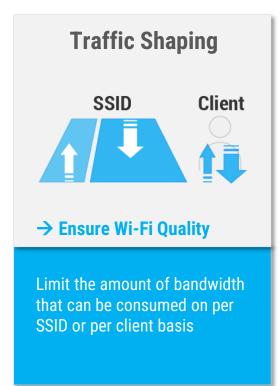


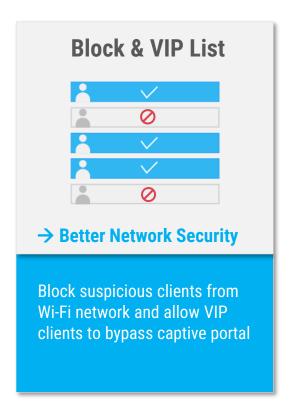


WLAN Management (II)

Ensure Wi-Fi Network quality during peak time and avoid specific clients occupying most of the bandwidth.



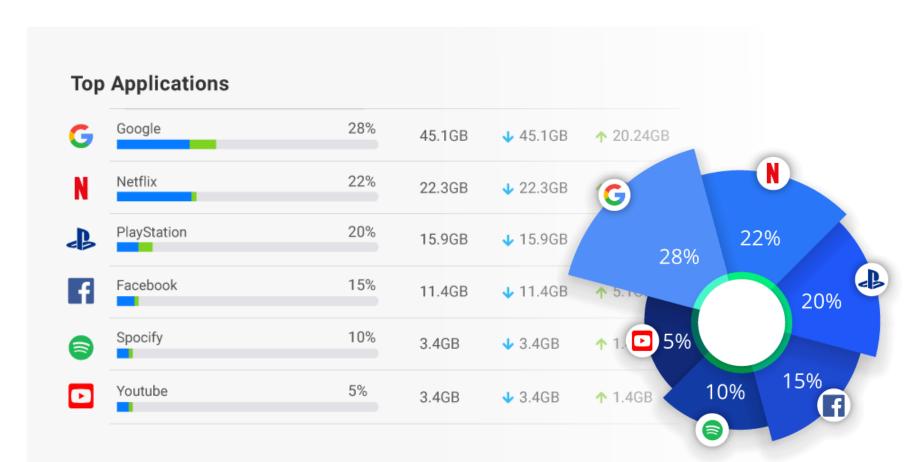






Get Information About Layer 7 Applications

Know the most used network applications by clients and ranked by usage.



Managing with **FitXpress** 3

Download from Apple AppStore and Google PlayStore



Why FitXpress?





FitXpress in Nutshell

Network Management for small & medium businesses with little to no IT support and single or multiple sites.





Businesses with zero IT

- Easy-to-use/ simple onboarding
- · Quick setup for reliable and secured Wi-Fi
- Quick and real-time view of managed network

Businesses with multiple locations

- Remote management in single interface
- Delegate users for network management
- Manage on the go made easy



Network Management Made Easy

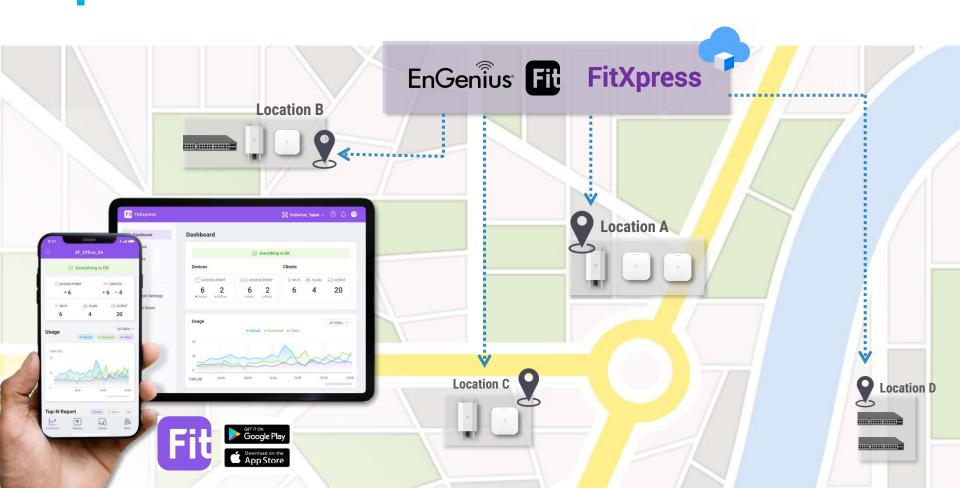
FitXpress streamlines the entire network management process with a mobile app without any software installed and time-consuming setup.





Manage On The Go With Always-on Platform

Remotely manage your networks anywhere, anytime, with any devices.





Manage All EnGenius Fit Hardware

FitXpress supports managing the EnGenius Fit hardware portfolio.









FitXpress Use Cases





Use Case: As a Retail Shop Owner

Small & medium businesses and retail with zero IT are looking for the simple and smart networking solution.



I want to setup a secured Guest Wi-Fi separated from Staff network.

- ✓ Wi-Fi templates are available for Guest and Staff usage.
- ✓ Set up guest Wi-Fi with predefined template options in a few steps.



I want to promote my store FB page to in-store customers.

- ✓ Enable Facebook Wi-Fi for your in-store guest network.
- ✓ Users need to check in your FB page before accessing Internet



I worry about in-store customers using most of the Internet bandwidth.

✓ You can set up a bandwidth limit policy for the guest Wi-Fi network or on per client basis.



FitXpress



✓ You can block the client for whole or specific Wi-Fi networks whenever a suspicious client is found.



Use Case: As a Business Owner With Branch Offices

Small & medium businesses with multiple locations require efficient way for network management.



How can I manage my branch office networks more efficiently?

- ✓ Set up multiple networks and managed devices for different branch offices.
- Manage multiple networks by the same user account and from a single interface.



I don't have time for on-site support when a problem occurred.

- ✓ Remote management made it easy to save time being on-site for support.
- ✓ Manage and monitor your networks anytime, anywhere on the go.



Can I have someone manage remote networks for me?

- ✓ Set up different admins with privileges to manage multiple remote sites.
- ✓ Manage admin user list for multiple networks from the single interface.







- ✓ Get notified by mobile app or email whenever a device goes offline.
- ✓ Locate the device that went offline and see recommendation actions.

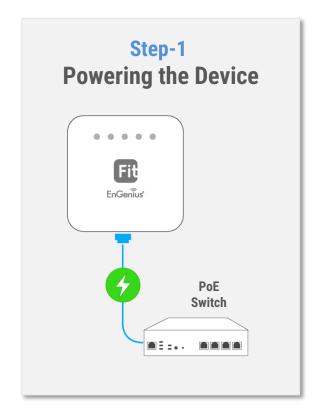


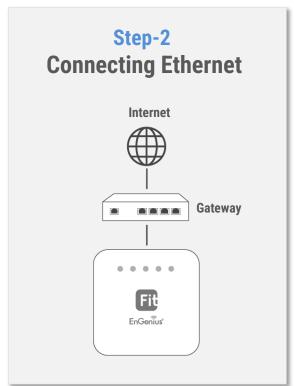
FitXpress Feature Highlights

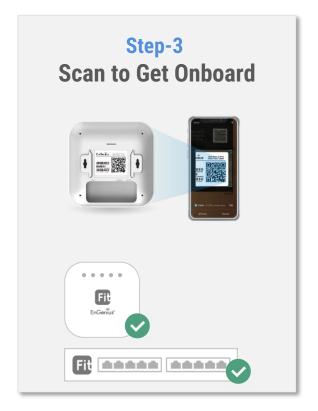


Simple 3-step Device Onboarding

Get your network ready and all set with the 3-step device onboarding process.



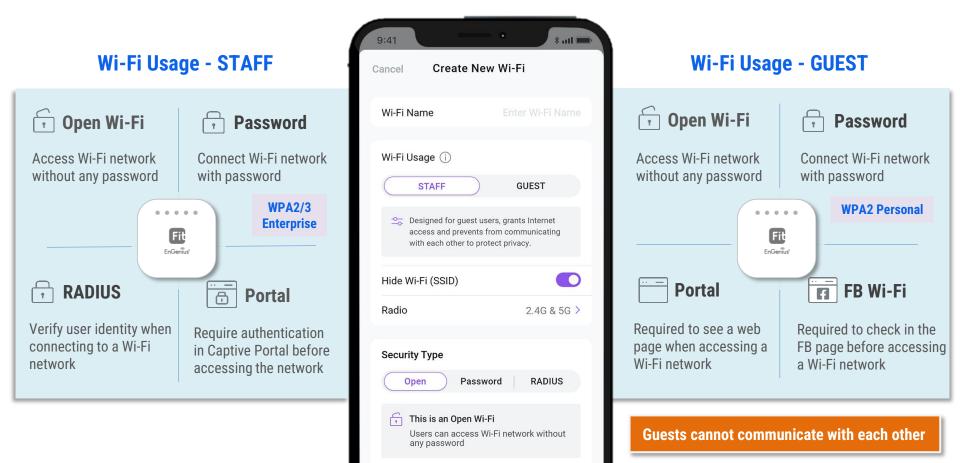






Easy Wi-Fi Network Setup with Flexibility

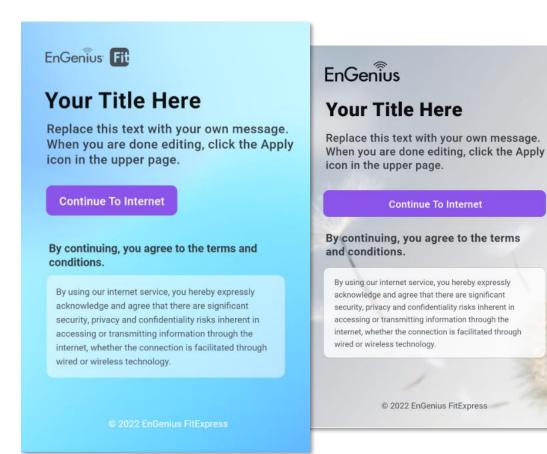
Separate Wi-Fi networks for guests and employees in minutes with predefined security and authentication profiles.

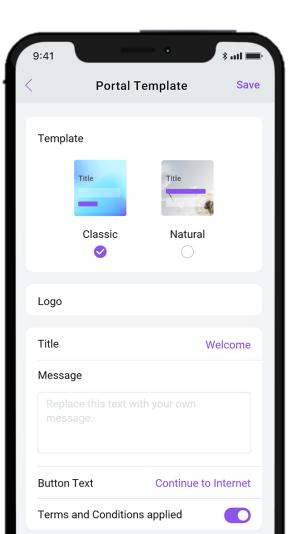




Simple Captive Portal Deployment

Customize different Captive Portals for Wi-Fi networks to authenticate users before accessing the Internet.





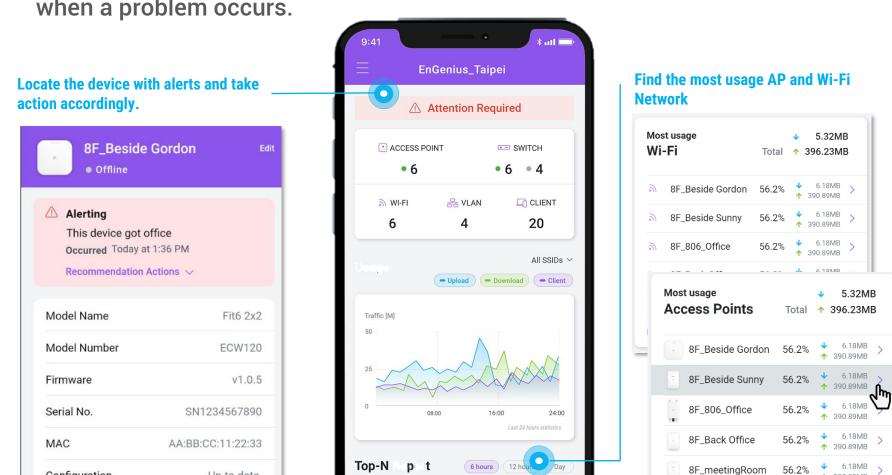


Configuration

Up-to-date

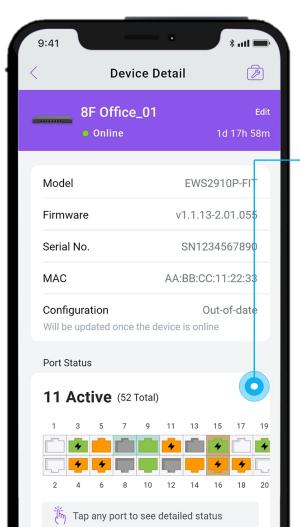
Network Health in Dashboard Center

Grasp network's real-time device and traffic information and get alerted when a problem occurs.



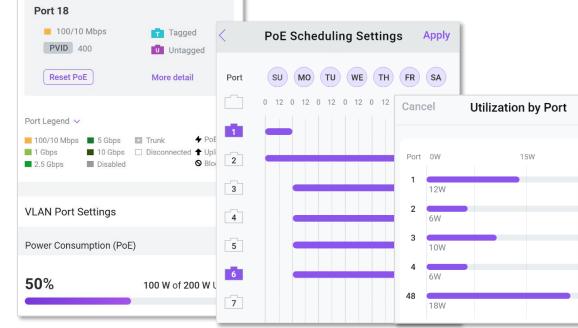


Simple Device Management with in-depth Information



Get a quick view of a particular device with comprehensive info, and drill into the device detail if needed.

Real-time Switch Port Status & PoE Information





Secure Your Wi-Fi with Client Access Control

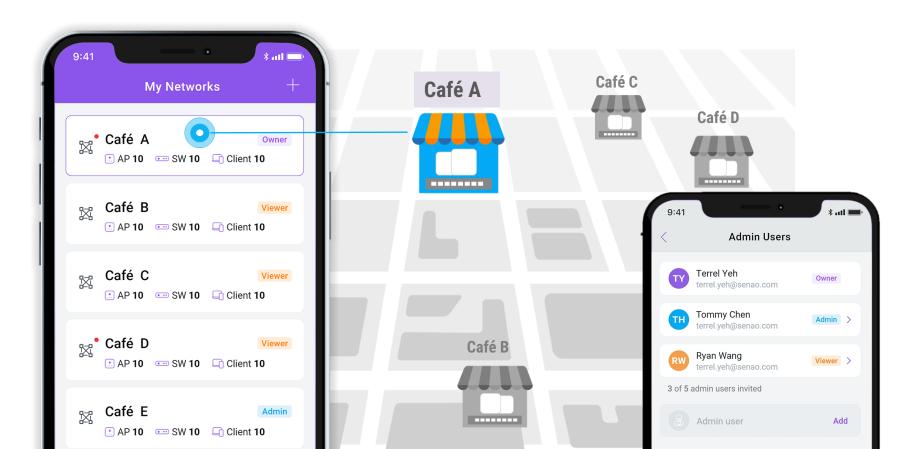
Block suspicious wireless clients for the whole network or specific Wi-Fi with a few clicks





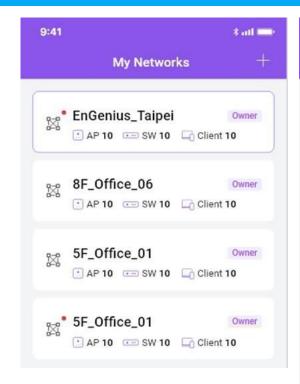
User Delegation for Multi-locations Management

Manage multiple networks from a single interface and delegate users with privileges for network management.



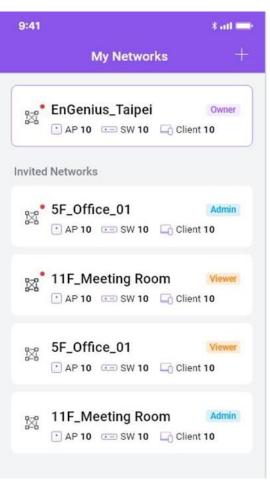


EnGenius FitXpress maximums



Maximums supported with FitXpress (app):

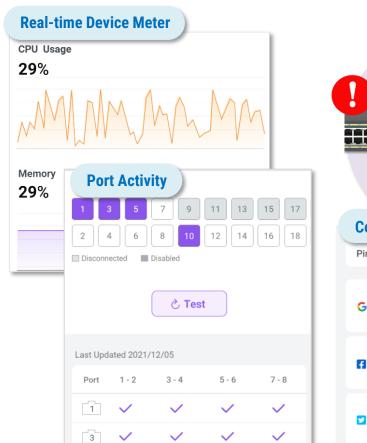
- 5 networks per owner account
- 5 admins per network: Owner and 4 invited
- **Unlimited** invited networks
- 30 devices per owner account

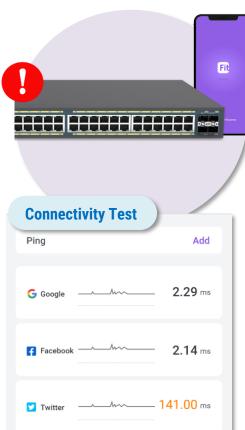


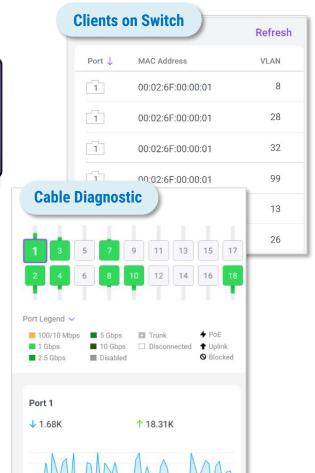


Handy Troubleshooting Tools

A bunch of visualized diagnostic tools is in place whenever a device is found problematic.

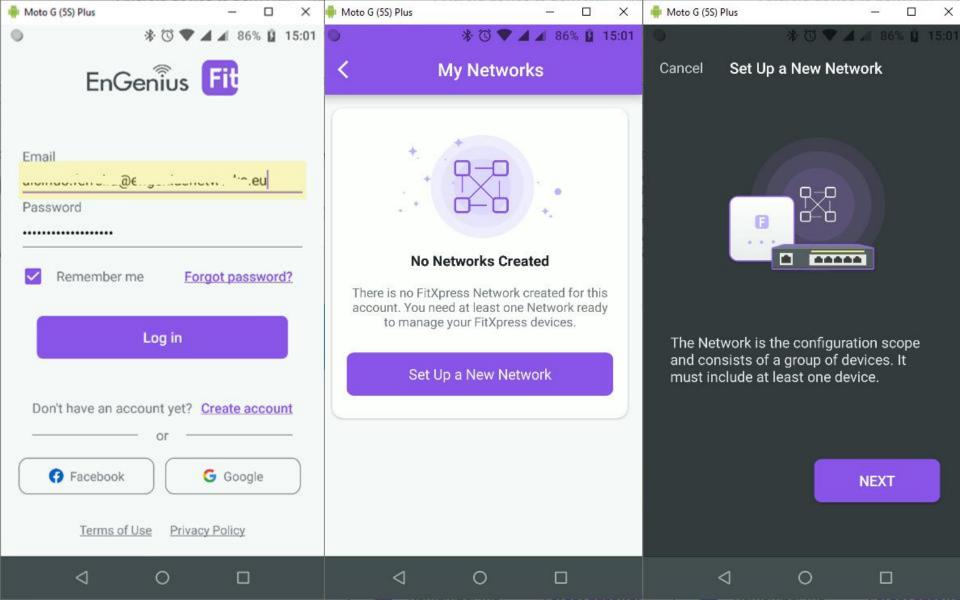


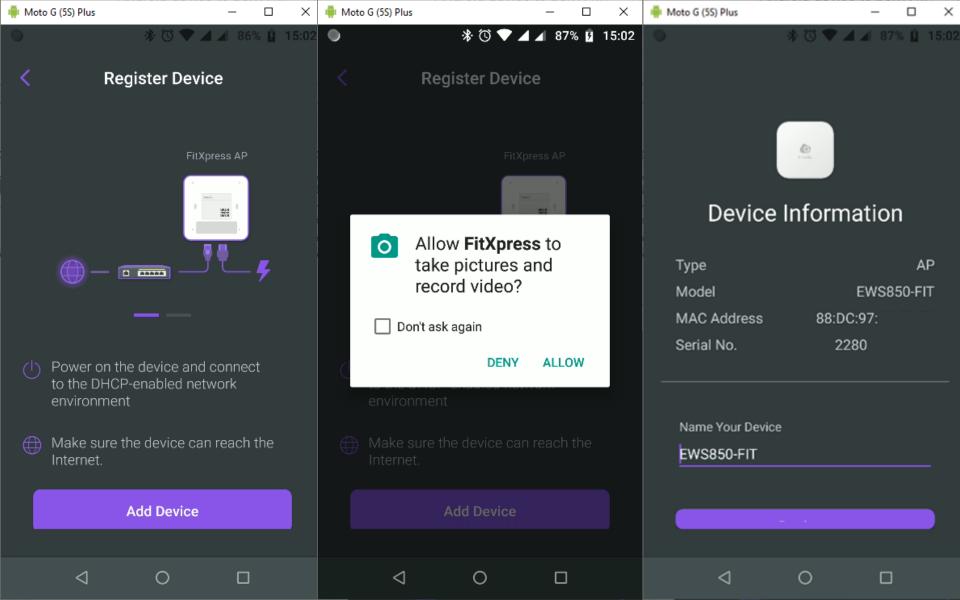


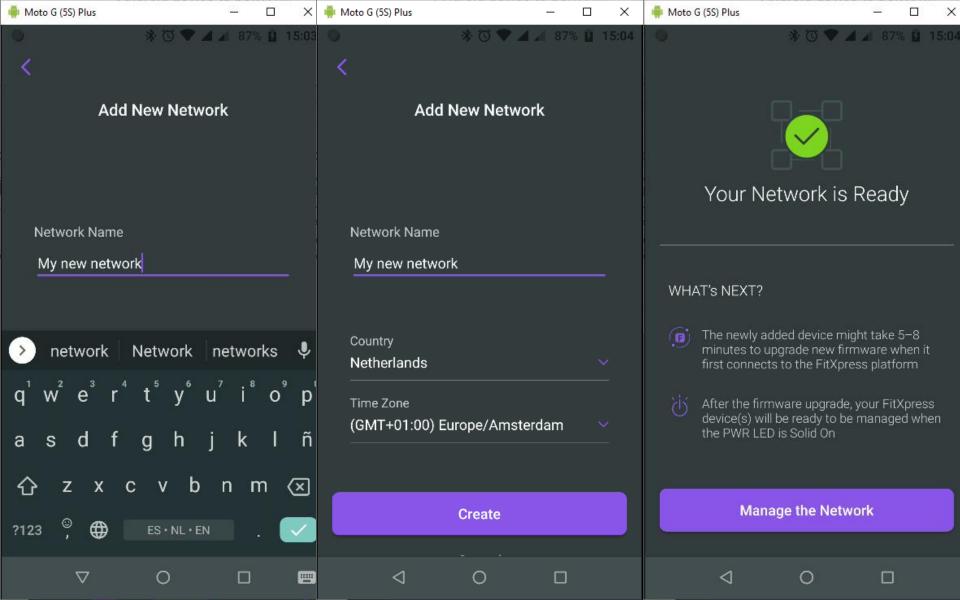


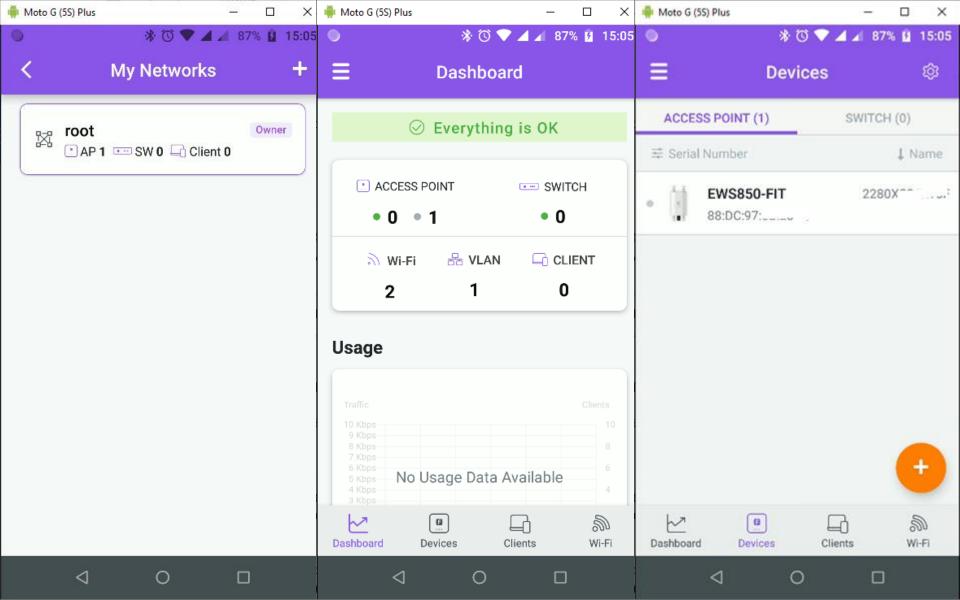
FitXpress roll-out

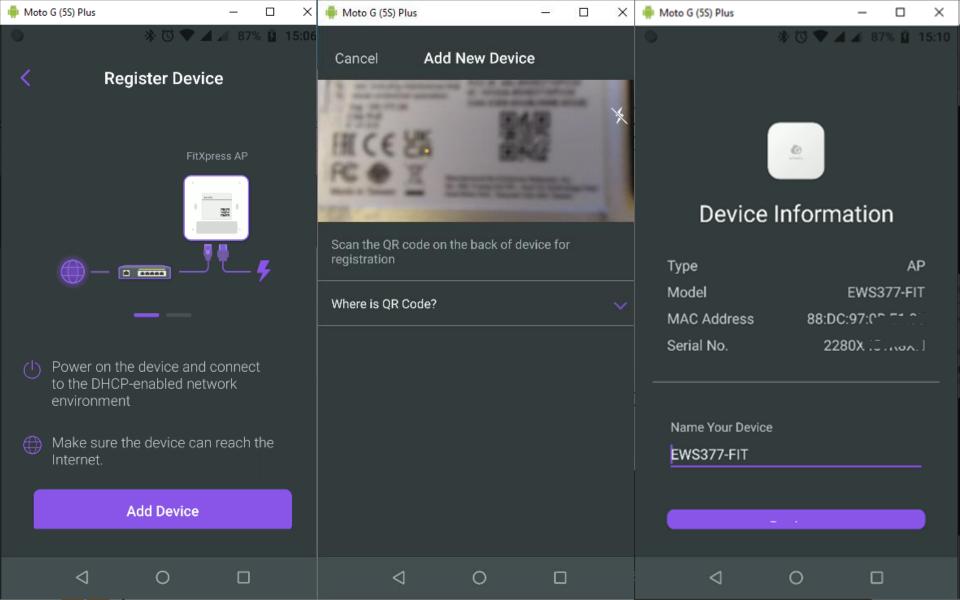


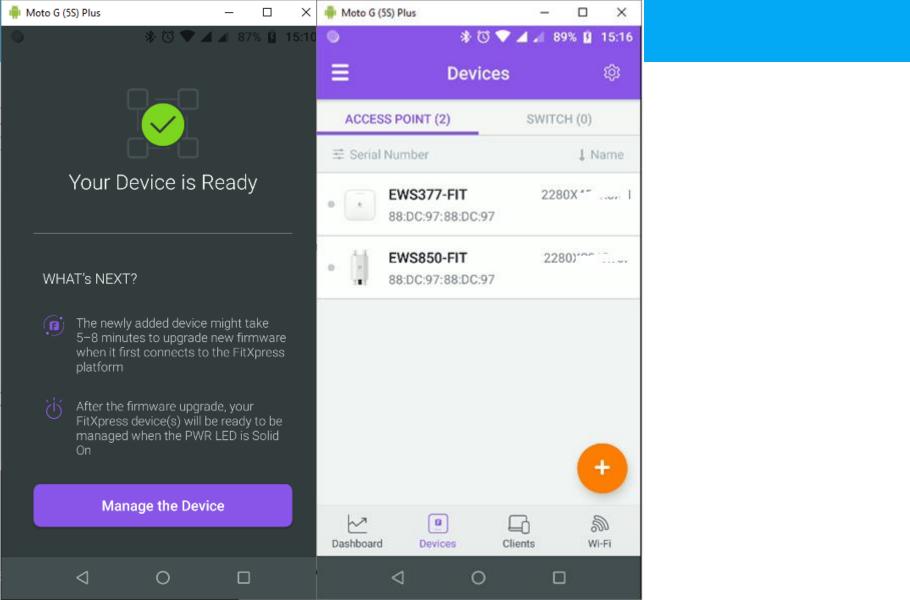


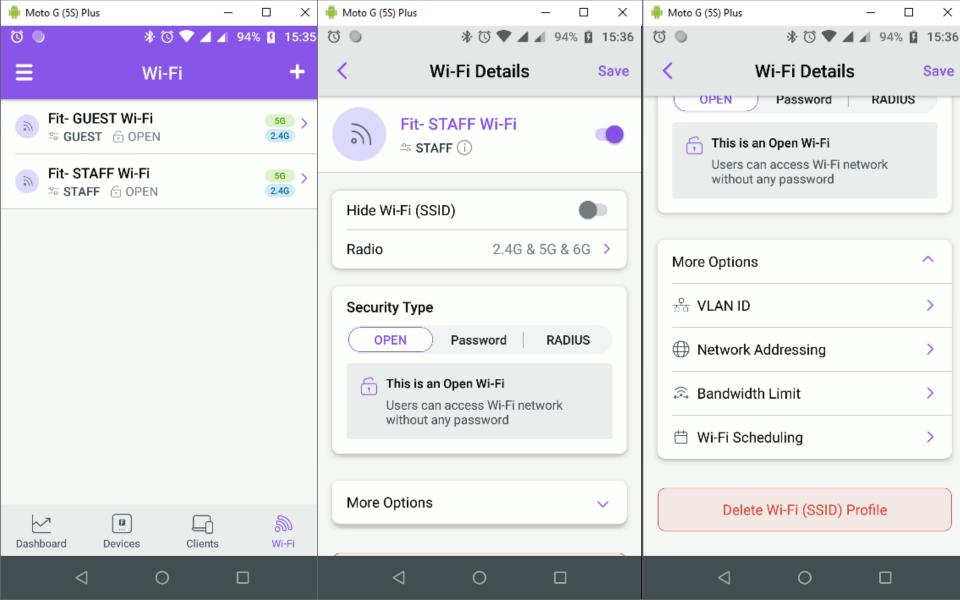


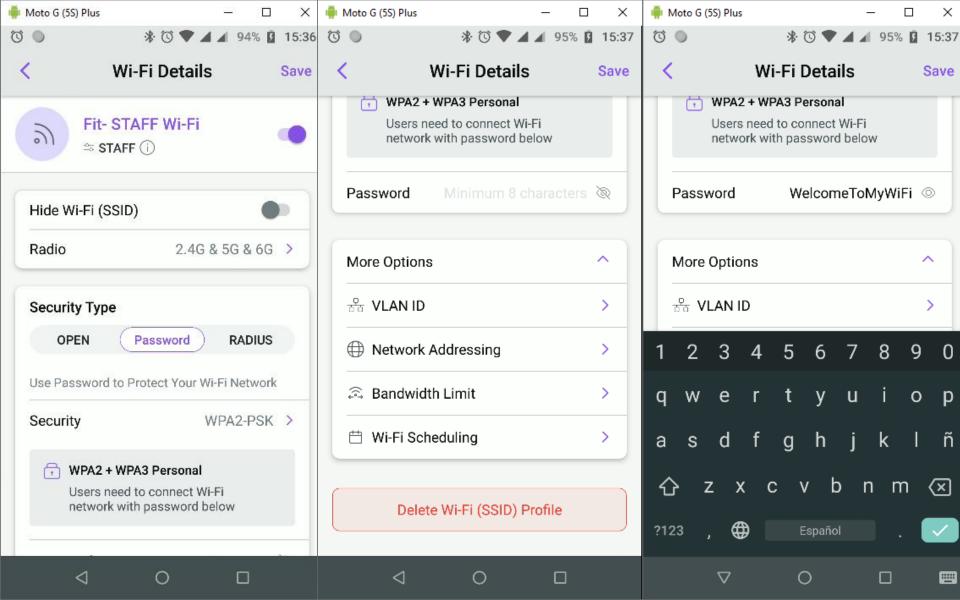














Comparison

04



FitXpress vs FitController

- Use FitXpress for small solutions where Internet is available and cloud management is allowed. And cost is important
- Use FitController for "on-premises" solutions where Internet is not available, or cloud management is not possible (not allowed)

EnGenius Cloud vs Fit

Select EnGenius Cloud, because EnGenius Cloud features:

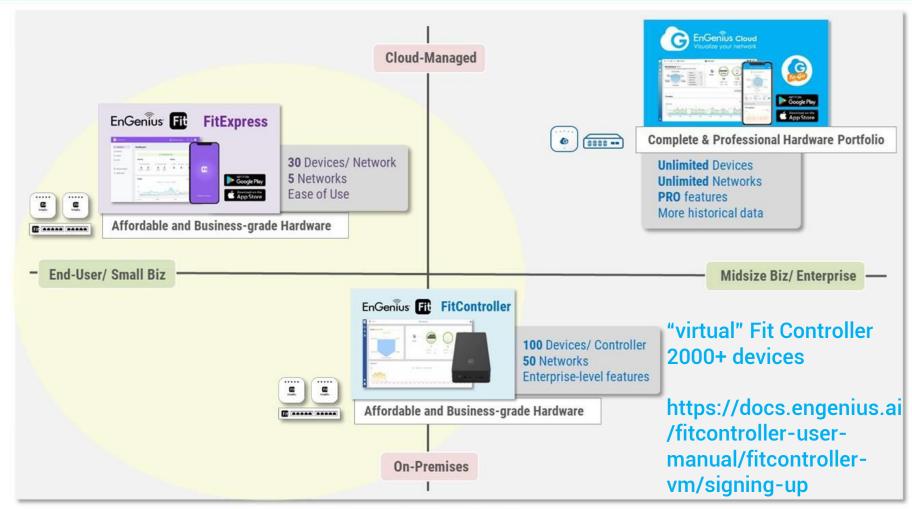
- Supports any size of solutions
- Managing unlimited number of organizations and devices per account
- Optional "Pro" features (LDAP, Google LDAP, and Microsoft and Azure AD authentication, API, AP EoGRE tunnel, MyPSK, AirGuard, diagnostic tools)
- Latest products (first on Cloud, only later maybe on Fit, Security APs, Wi-Fi
 6E AP, Wi-Fi
 4x4 outdoor AP, switches with 10 Gb/s SFP+ ports)

Select FitController only for "on-premises" solutions.

Select FitXpress only for small, budget solutions.



Solution Positioning



Appendix 05





EnGenius Fit Access Point Model Comparison

Fit Access Points Lineup

Туре	Indoor	Indoor	Outdoor	
Model Name	Fit6 2x2	Fit6 4x4	Fit6 2x2 Outdoor	
Model #	EWS357-FIT	EWS377-FIT	EWS850-FIT	
Wi-Fi	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6	
Speed (2.4GHz)	574 Mbps	1,148 Mbps	574 Mbps	
Speed (5GHz)	1,200 Mbps	2,400 Mbps	1,200 Mbps	
Tx Power (2.4GHz)	22 dBm	23 dBm	23 dBm	
Tx Power (5GHz)	22 dBm	23 dBm	25 dBm	
Antenna (2.4GHz)	2 x 4 dBi	4 x 5 dBi	2 x 5 dBi (SMA-Type)	
Antenna (5GHz)	2 x 5 dBi	4 x 6 dBi	2 x 5 dBi (SMA-Type)	



EnGenius Fit Switch Model Comparison

Fit Switches Lineup

Туре	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+
Model Name	FitSwitch 8 PoE	FitSwitch 24 PoE	FitSwitch 24 Full PoE	FitSwitch 48 PoE	FitSwitch 48 Full PoE
Model#	EWS2910P-FIT	EWS7928P-FIT	EWS7928FP-FIT	EWS7952P-FIT	EWS7952FP-FIT
Form Factor	Desktop	19" 1U	19" 1U	19" 1U	19" 1U
Gigabit RJ45	8	24	24	48	48
1Gbps SFP	2	4	4	4	4
RJ45 Console	-	1	1	1	1
PoE	802.3af	802.3af/at	802.3af/at	802.3af/at	802.3af/at
PoE Budget	55W	240W	410W	410W	740W
Switching Capacity	20Gbps	56Gbps	56Gbps	104Gbps	104Gbps

Friendly name	EWS-Fit code	Part number	EAN	UPC
Fit6 2x2	EWS357-FIT	1102A1371322	4713361936210	6 55216 01096 3
Fit6 4x4	EWS377-FIT	1102A1350316	4713361936227	6 55216 01097 0
Fit6 2x2 Outdoor	EWS850-FIT	1102A1376309	4713361936234	6 55216 01098 7
FitController100	FitCon100	1203A0020001	4713361936272	6 55216 01099 4
FitSwitch 8 PoE	EWS2910P-FIT	1402A0090323	4713361936289	6 55216 01100 7
FitSwitch 24 PoE+	EWS7928P-FIT	1402A0194310	4713361936302	6 55216 01101 4
FitSwitch 24 Full PoE+	EWS7928FP-FIT	1402A0193310	4713361936326	6 55216 01102 1
FitSwitch 48 PoE+	EWS7952P-FIT	1402A0196307	4713361936340	6 55216 01103 8
FitSwitch 48 Full PoE+	EWS7952FP-FIT	1402A0195307	4713361936364	6 55216 01104 5

Release schedule

Software schedule:

- EnGenius FitXpress Android and iPhone apps have been released
- EnGenius FitXpress "web", "soon"
- FitController "docker":

https://docs.engenius.ai/fitcontroller-user-manual/fitcontroller-vm

Hardware availability:

- All Fit products in mass production
- All in stock? Except FitCon100 in transit





