Expertise Wave

EnGenius Profile

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Empowering Connectivity, Empowering Business

EnGenius Technologies is a cloud-driven leader within the connectivity space. Our mission for the past 20 years has been to deliver innovative world-class solutions for businesses of all sizes. Our team is committed to developing cutting-edge and simple-to-use designs to power your networks so you can focus on your business and customers.

Global Branch Locations

- Registered in the U.S.A. for 20+ years in networking industry
- Technology and Cloud Networking leadership
- 8 Branch offices offering global support

EnGenius Canada
Sales & Marketing

EnGenius Europe
Netherlands
Sales & Marketing

EnGenius Japan
Tokyo
Sales & Marketing

EnGenius India
Sales & Marketing

EnGenius U.S.A
Americas
Sales & Marketing

EnGenius HQ &
EnGenius Taiwan
R&D & Mfg.
Sales & Marketing

EnGenius Dubai
ME, CIS & Africa
Sales & Marketing

EnGenius Singapore
APAC & Oceania
Sales & Marketing

Innovation of Networking

EnGenius continues to develop new technologies and solutions and gain global customers' trust with innovative capabilities and high-quality manufacturing, providing the best products and services.

2x2 AX AP
1st in the market
(Mar. 2019)

Serverless Cloud
EnGenius Cloud
(Apr. 2019)

Wi-Fi 6E AP
1st in the market
(Jan. 2022)

Small Business Solution
EnGenius Fit
(Nov. 2022)

Wi-Fi 7 AP
1st Cloud Wi-Fi 7 AP for Enterprise
(Q3. 2023)

Continuous Evolution For Business Success

2000

Established in U.S.A (1999)
A Global provider of long-range wireless telephony solutions.

2010

Enterprise Wi-Fi Equipment
High performance Indoor and long-range outdoor APs.

2015

Established in U.S.A (1999)
Plan, deployment, and management of the networks.

2019

Established in U.S.A (1999)
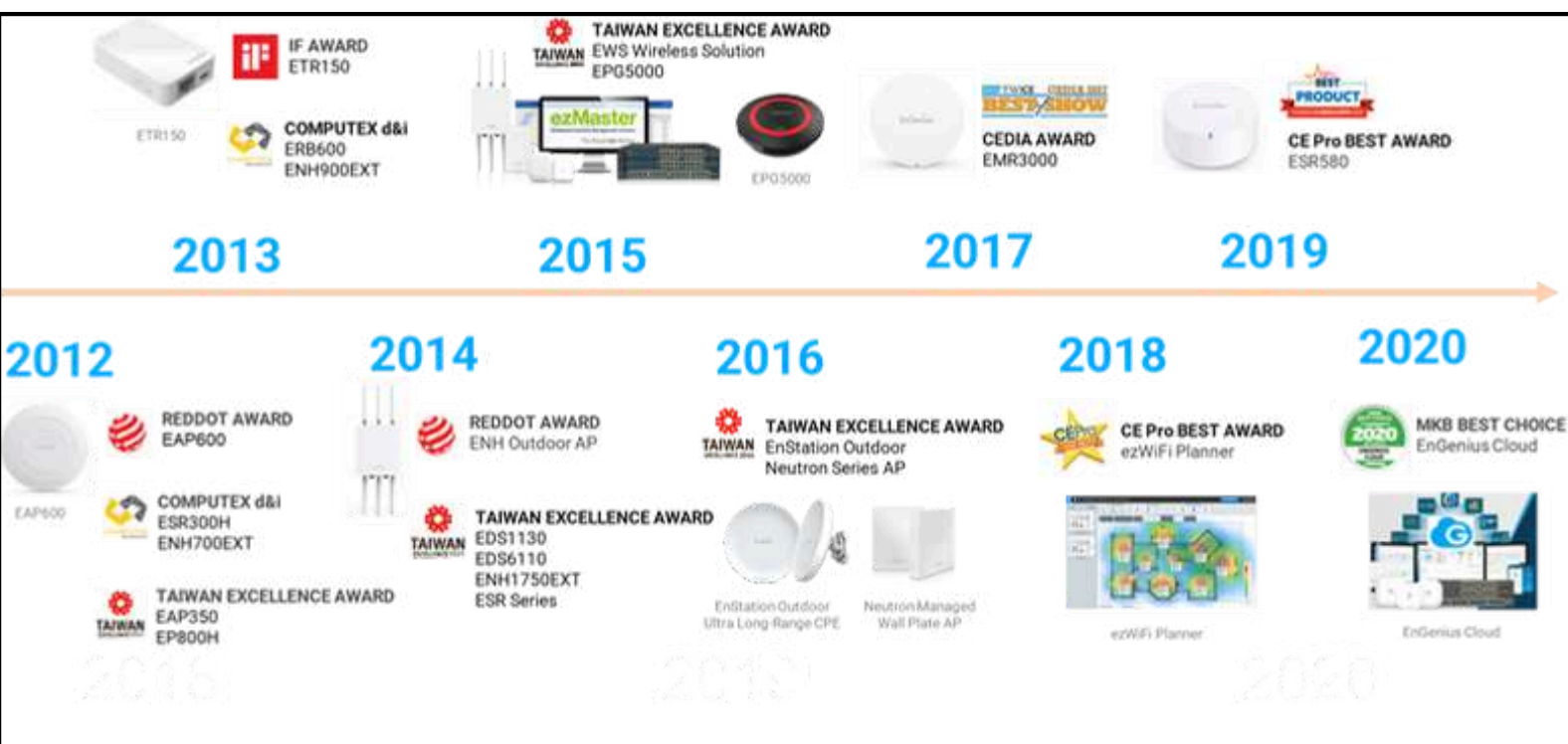Comprehensive and unified Cloud solution for enterprise networks.

2023

Established in U.S.A (1999)
Integrating SD-WAN Gateway and PDU further improves cloud ecosystem.

Industry-leading Awards For Innovation

Build A Secure Cloud-Eco system

We are building a secure cloud-ecosystem of Wireless Technologies, Switches, Access Points, Gateways, and Power Units with advanced features and customer-driven market to provide a flexible and comprehensive solution to manage enterprise networks.

Highly Scalable and Redundant Cloud Infrastructure

- Serverless FaaS (Function-as-a-Service) Infrastructure Design
- Highly Scalable and Redundant
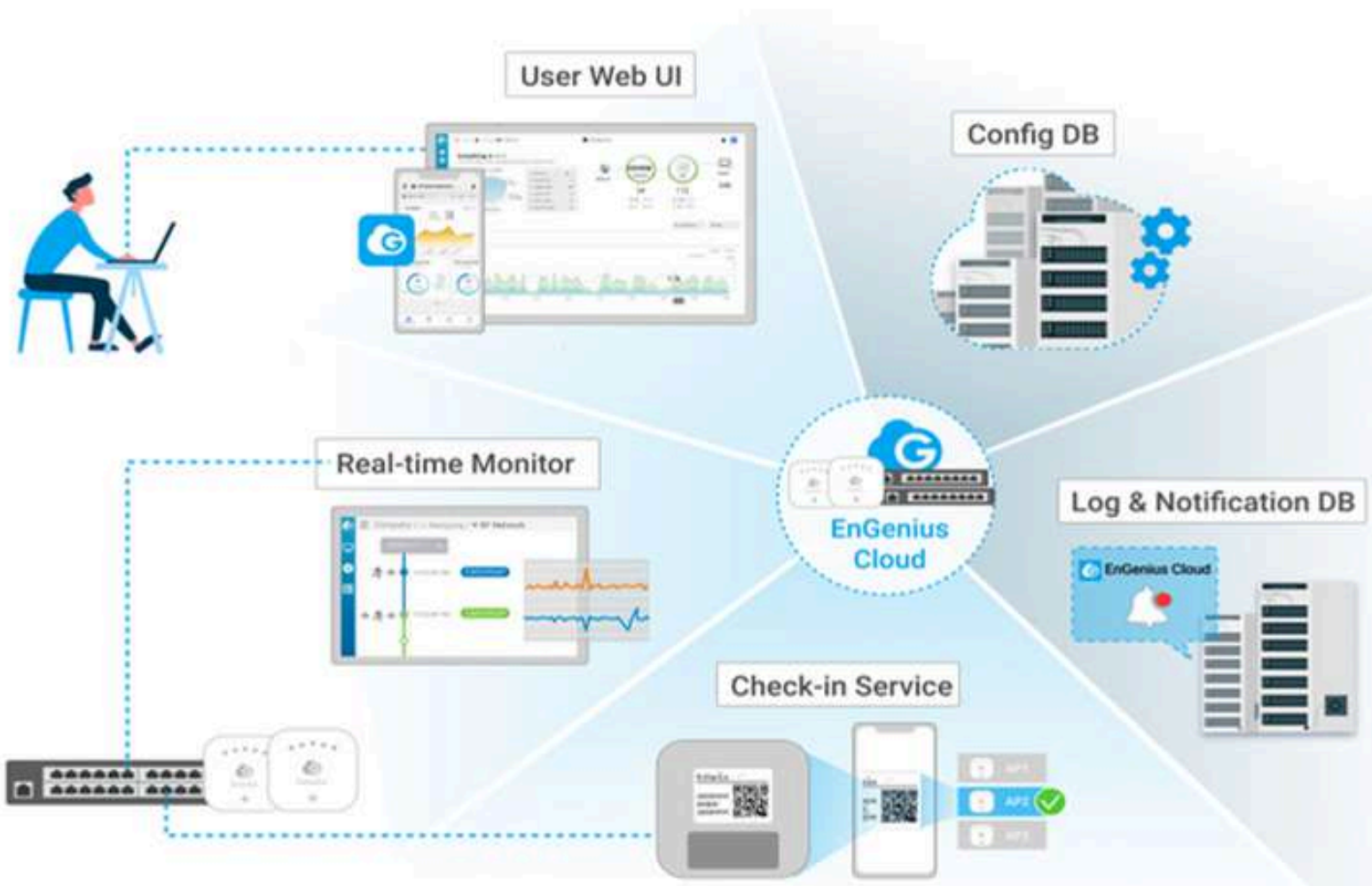
Highly Secured Cloud Management Platform

User Data Security

- Users' data plane will NOT go through EnGenius Cloud
- Only device management plane goes to EnGenius Cloud

Cloud Security

- 99.99% SLA
- FaaS design for high redundancy
- Protected User Privacy

Internet

Data Plane

EnGenius Cloud

Management Plane

Cloud Device

Secure Tunnel

Clients NB/PC/Mobile

Company
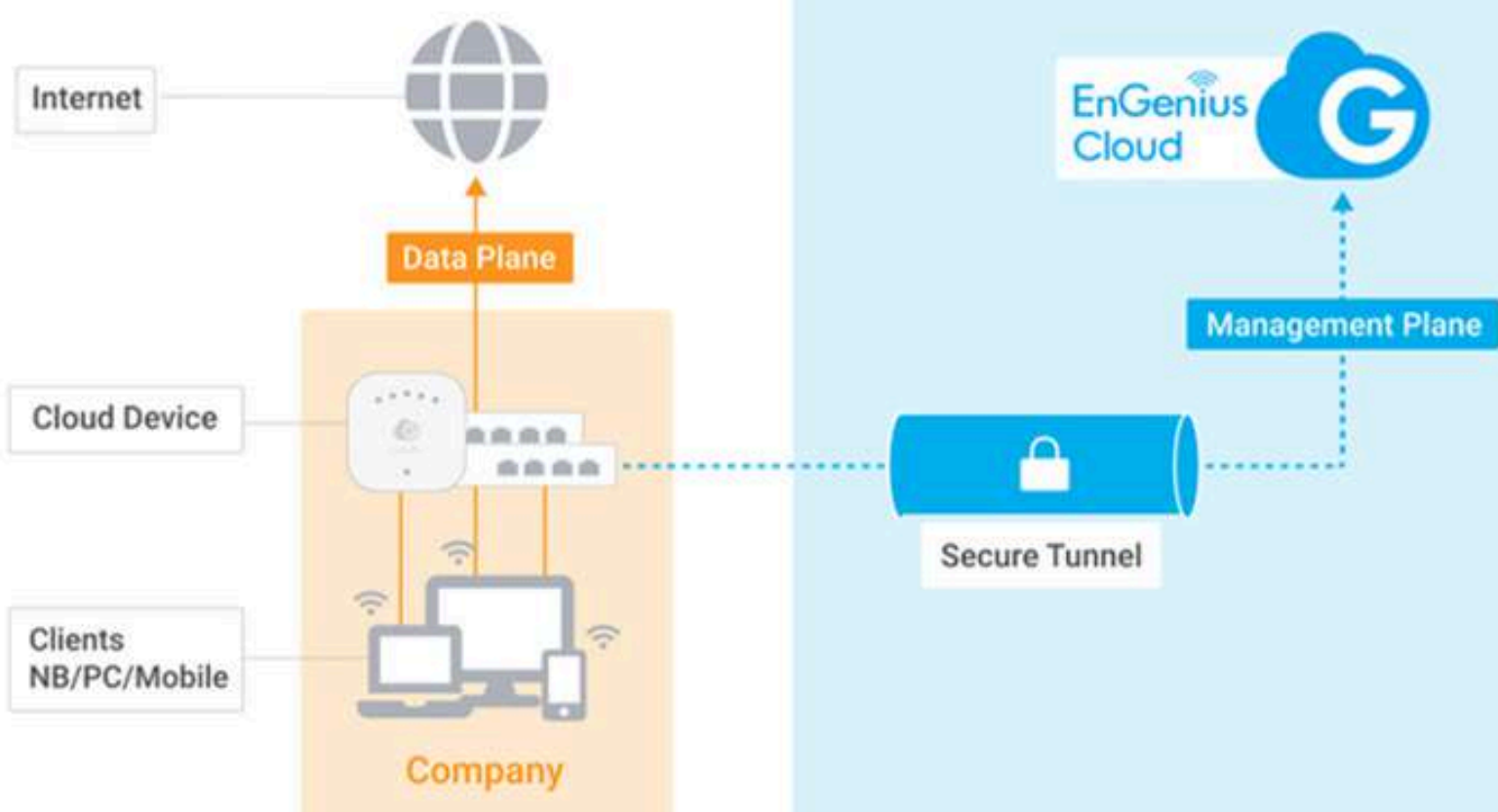
Device Security

- Built-in certificate on devices
- Multiple Factor Authentication to make sure the device is authorized EnGenius device
- Data transfer is all encrypted

Business Networking Solutions

EnGenius Cloud G

Midsize Business/Enterprise

AI-driven Cloud networking with visualized insights

EnGenius Fit Fit

Small Business

Reliable and secure networking for small business

"EnGenius Cloud" Solution for SME

Segment

SME Market Segment

Target

Target: Multi-Location Business / MSP for SME

Cases:

- Campus with 11 buildings (800+ AP's)
- MSP with >2000 tenants (each with 2-5 AP's)
- Chain Stores with 7000 shops (each with 2-3 AP's)

Position

- End-End Networking solution (GW, AP, SW, PDU)
- Unified Cloud Management (both Web and APP)
- Rich enterprise grade features various verticals
- Sophisticat diagnostic for easy remote support
- Freemium License model for flexibility

Feature-Rich Cloud Solution for SME Market

Remote access to EnGenius Cloud

EnGenius Cloud

Cloud-Managed VPN and SD-WAN

Switch

Access Points

Site A

Mesh

Cloud-Managed VPN and SD-WAN

Switch

Access Points

Site B
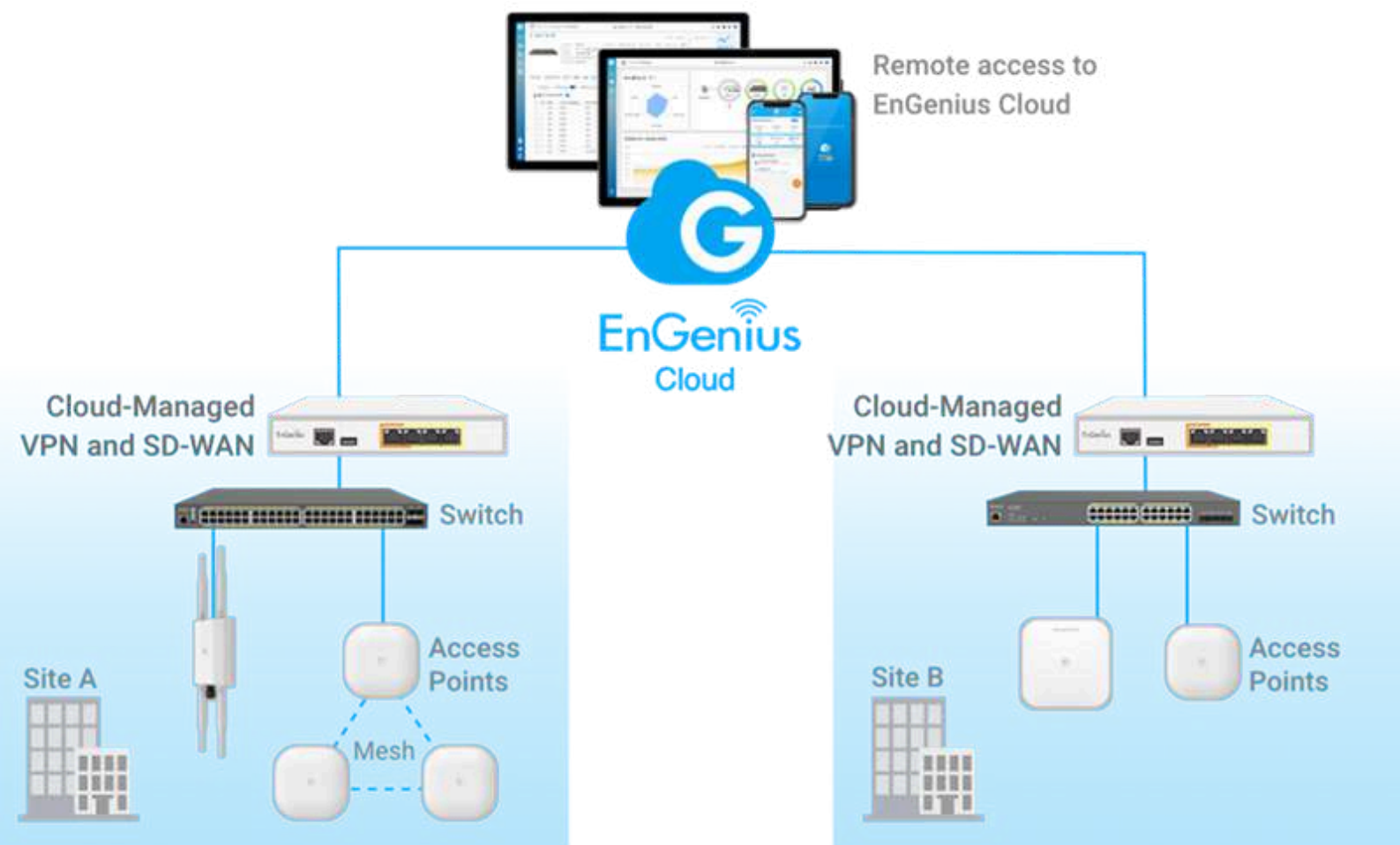
"EnGenius FIT" Solution for Small Business

Segment

Small Business Market Segment

Target

Target: No IT small business

=> **Plug & Play**

=> **Easy Setup**

Coffee shop with Guest Wifi

Small Office with normal VLAN/WiFi setup

Position

End-End Networking solution (GW, AP, SW)

Unified Cloud Management (both Web and APP)

100% features in APP

Intuitive Easy Setup

Free license

Easy-to-use FitXpress Solution for Small Business

Remote access to FitXpress Platform
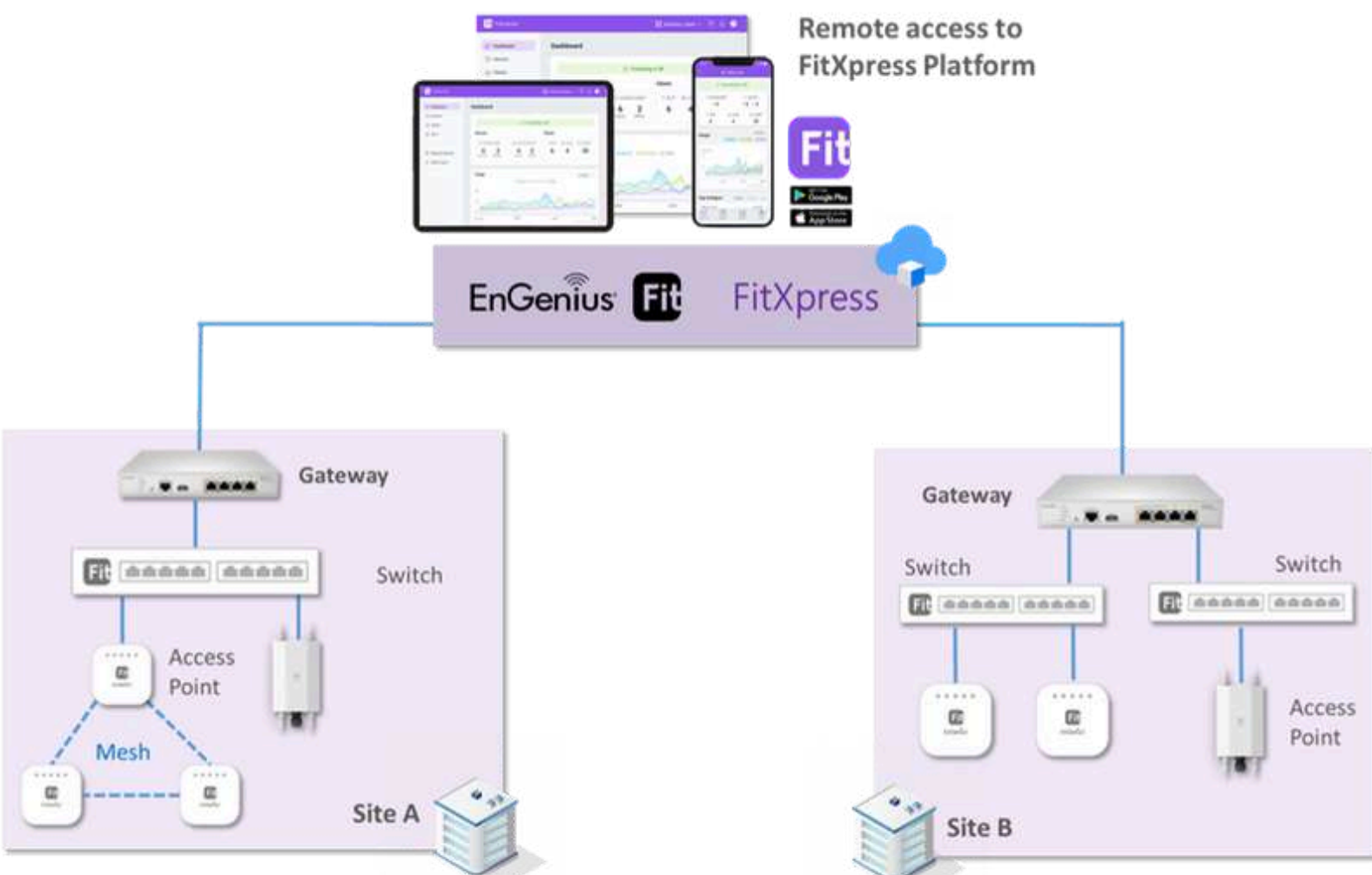
EnGenius Cloud Solution

Unified Management of EnGenius Cloud Devices

- Single pane of glass to manage SD-WAN Gateway, Switch, AP, and PDU.

- Cloud solution for Plug & Play and easy remote support.

- Business-grade networking features for midsize business/enterprise

- On-the-go network management with Cloud To-Go app

Wireless

Switch

Gateway

PDU
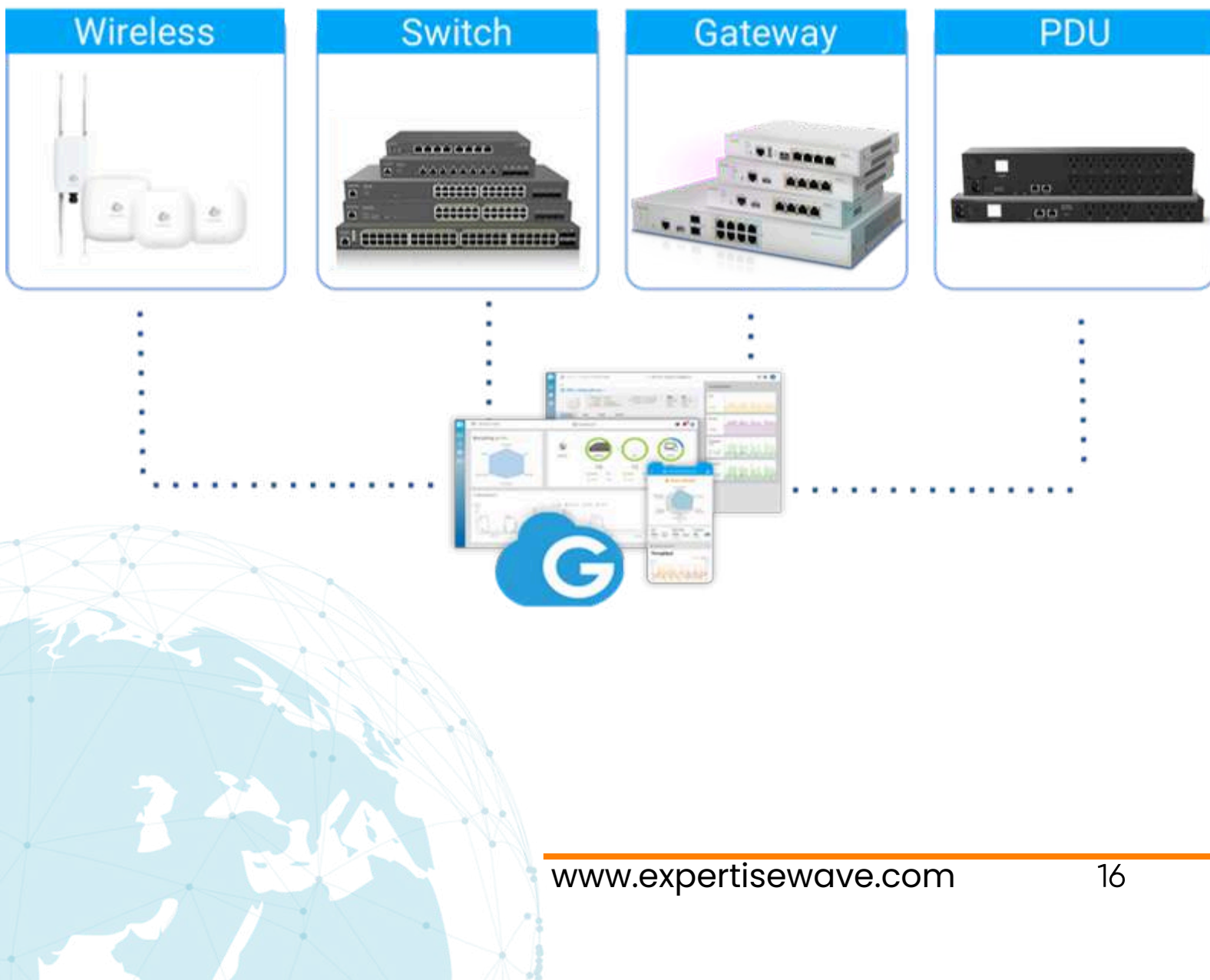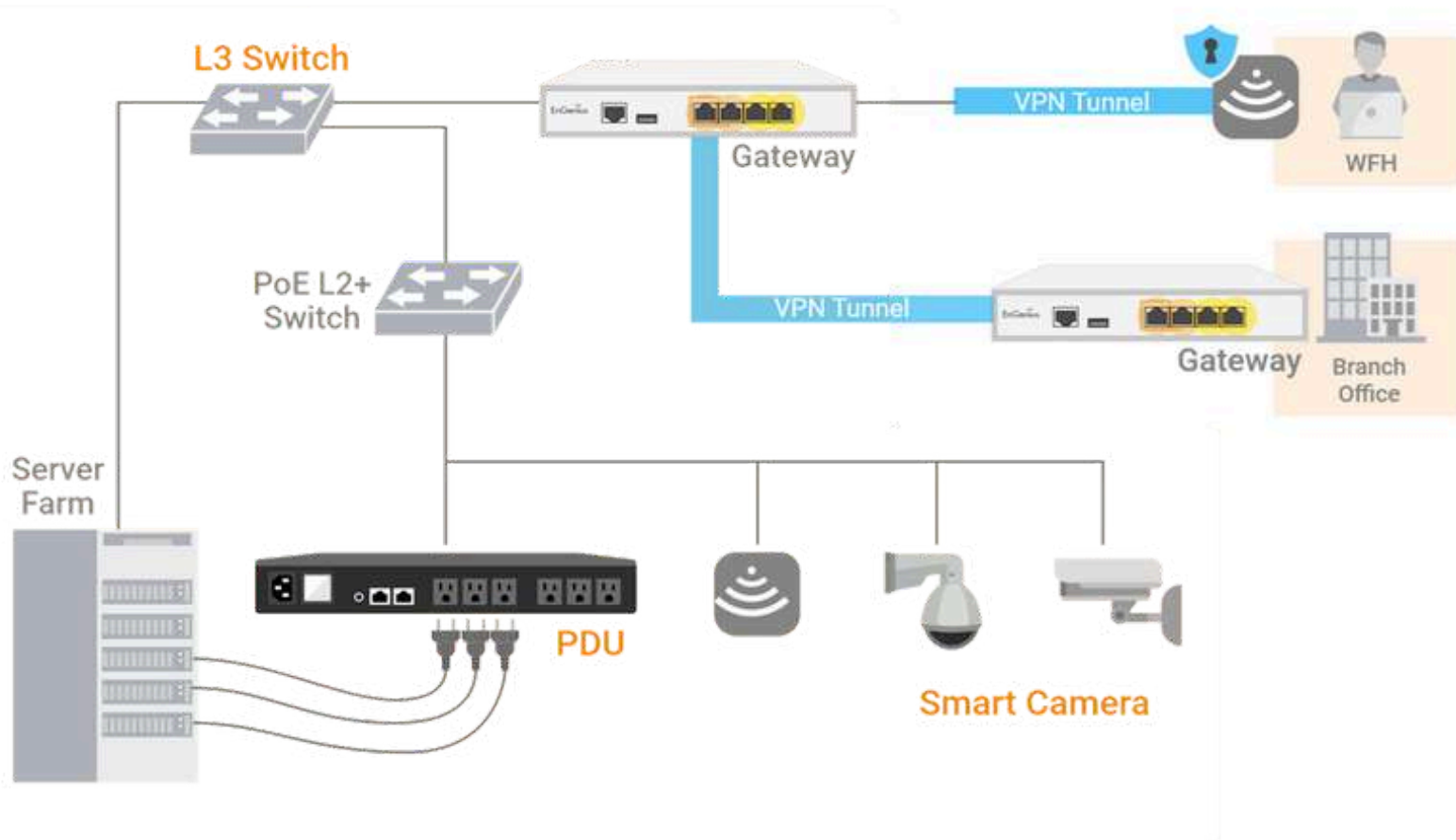
Smart Management

The EnGenius Cloud To-Go mobile app lets you manage networks centrally. You can see the real-time performance and detailed information of the devices and clients to easily manage networks remotely from any location.

Visualized Analytics

EnGenius Cloud mobile app empowers you to troubleshoot with accurate and feasible advice. With the comprehensive dashboard, you can get a complete picture of network status and setup event-based alerts and push notifications for commonly detected issues.

Elaborate Freemium business model with Pro-license

Basic

Basic Plan

For SOHO, SMB, and fast-growing retail and hospitality to manage networks in a simple way

FREE (no license needed)

PRO

Professional Plan

For SMEs, managed service providers and networks required more advanced features

Require Cloud PRO License

Easy to Deploy

Easy to Manage

Advanced Networking Planning

Cost-Saving Troubleshooting

Recurring Revenue

Unique Functions for projects

Design For Practical Use Cases

Key Use Cases

7000 Stores with POS, Kiosk, and Surveillance.

MSP of Service Apartment or Dormitory with >10 Buildings, 200 suites each.

Hospitality - Hotel Chain with 130 rooms in 9 floors each

Campus with 11 buildings, 800+ AP, 6000 Students

Multi-Location Enterprise Use Cases

Auditorium: Zero-wait DFS for High Density Environment

Smart Stores – 7000 Stores with POS, Kiosk, and Surveillance

Challenges

- **Scalability:** Large-scale management and configuration changes for all devices.
- **Stability and Security:** High redundancy and secure network needed.
- **Access Control:** Manage team privileges for changing team members.

Solutions

- EnGenius Cloud
- Business Router
- Network Switch
- Access Point
- PDU
- Media Player
- Barcode Scanner
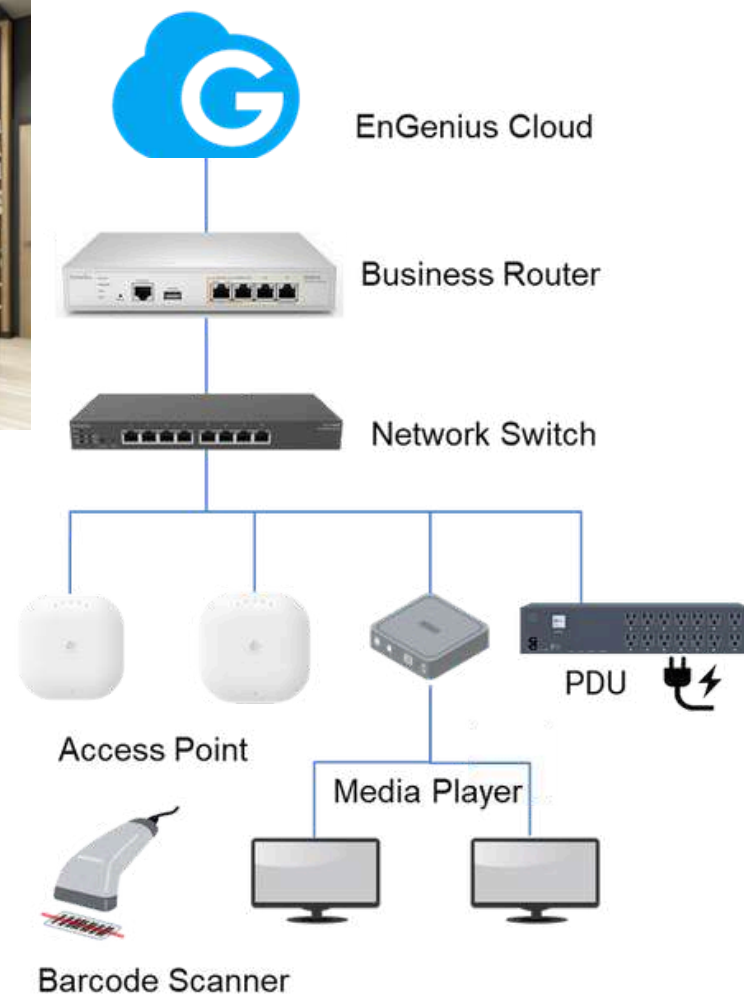
Group Configuration and Firmware Management

Challenge: Deploying networks across regions is time consuming and costly.

Solution: Deploying and managing multiple sites across different time zones with varying network policies made easy with Cloud networking.
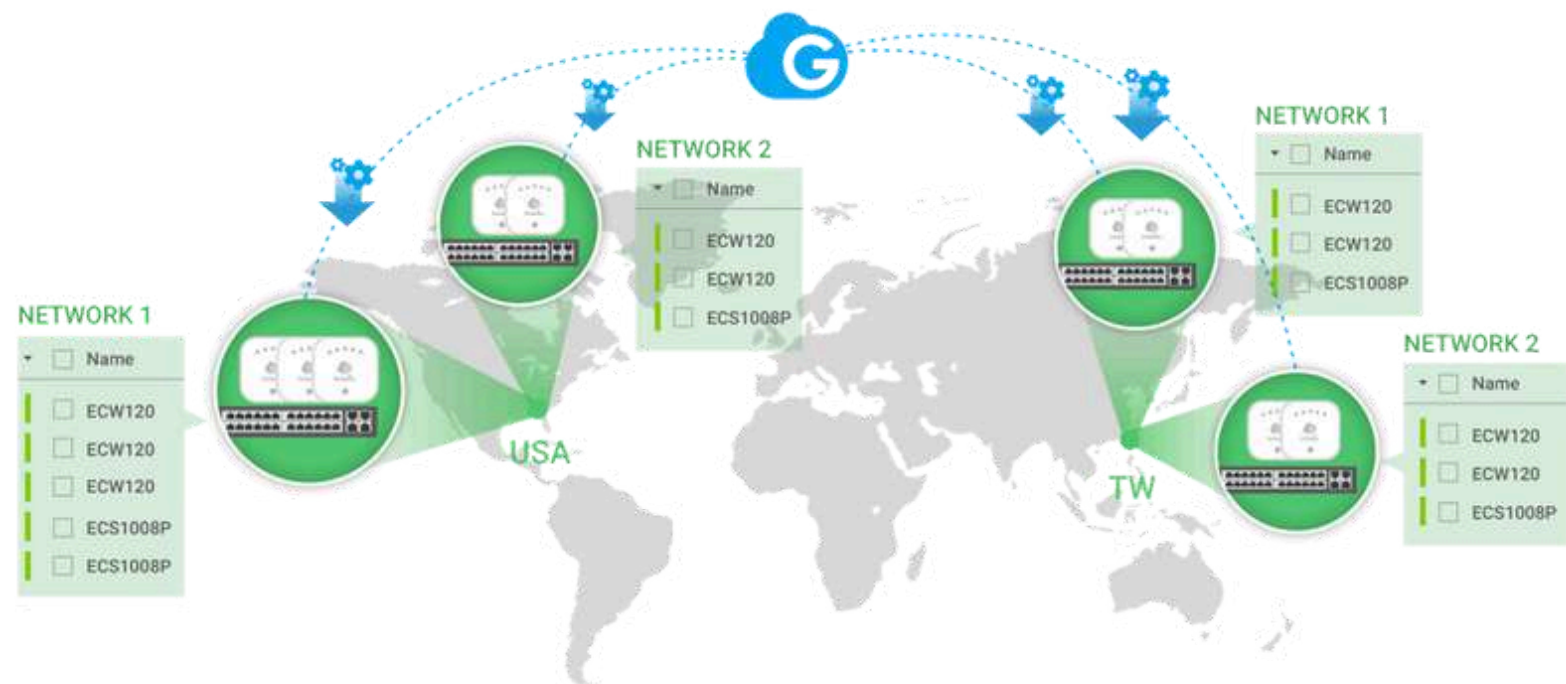
Simple Hierarchical View of Networks

Challenge: Unable to flexibly control business network according to authority or business unit.

Solution: Manage and monitor company networks with hierarchy view based on different locations or business groups.
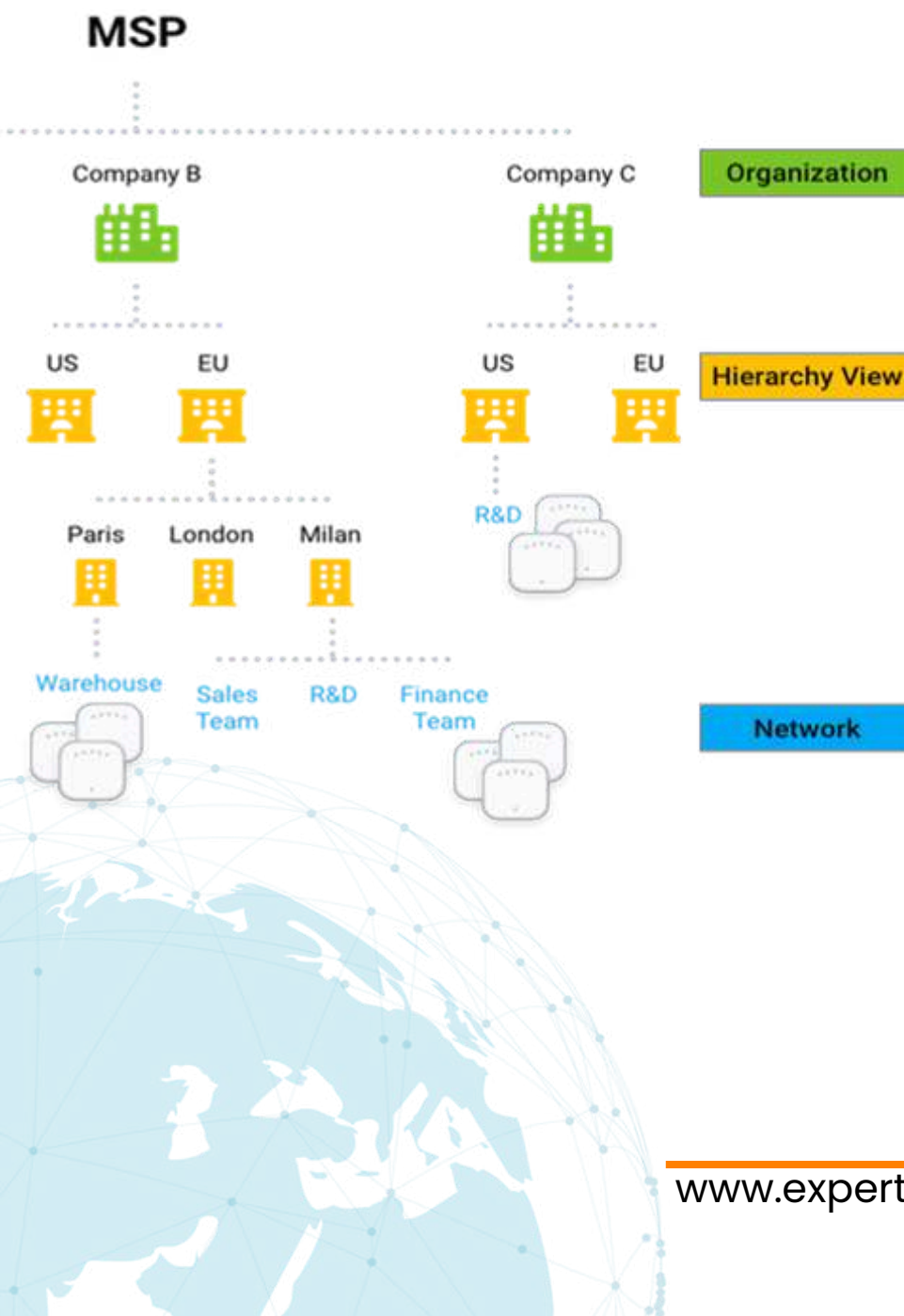
Multi-Tenants Design for High Flexibility

Challenge: Customers need to assign network permissions according to organizational responsibilities or business regions

Solution: Configure user roles and privileges in the network to align with your business management policies.
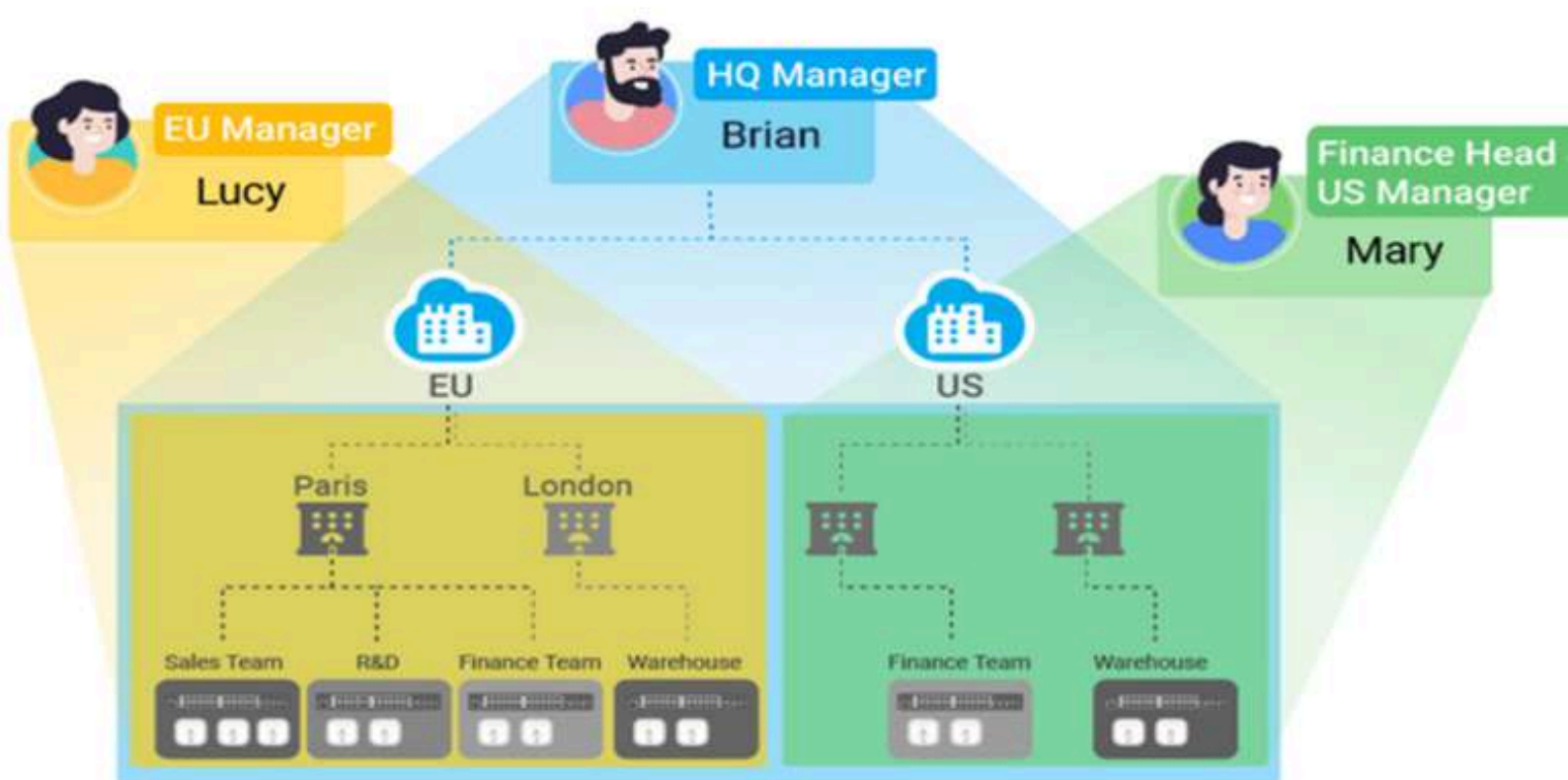
PDU Cloud Management

Challenge: Managing multiple PDUs across different sites can be time-consuming and complex.

Solution: PDU Cloud Management simplifies this with a web-based GUI, plug-and-play setup, batch maintenance, multi-site control, and unified network management.

Web Based & Intuitive GUI
Check your PDU Status anytime with a simple web based interface

Plug & Play
Scan the QR code to easily add PDUs in EnGenius Cloud.

Batch Maintenance
Simultaneous update of configuration/ firmware for distributed PDUs.

Multi-sites Control
No need to waste time and money on site visits or in-person support.

Operation Log
You can check the settings and activities in the system log, so that maintenance tasks are easy.

Unified Network Management
Manage all your network devices (PDU/AP/Switch/Router) in one platform.

Advanced Switch PoE Features for Surveillance

Challenge: Reliable video streaming, real-time surveillance monitoring, and uninterrupted power supply during firmware upgrades are crucial for optimal performance.

Solution: EnGenius provides a range of switches specifically designed for surveillance. These switches also come equipped with advanced Power over Ethernet (PoE) to address any potential inconveniences.
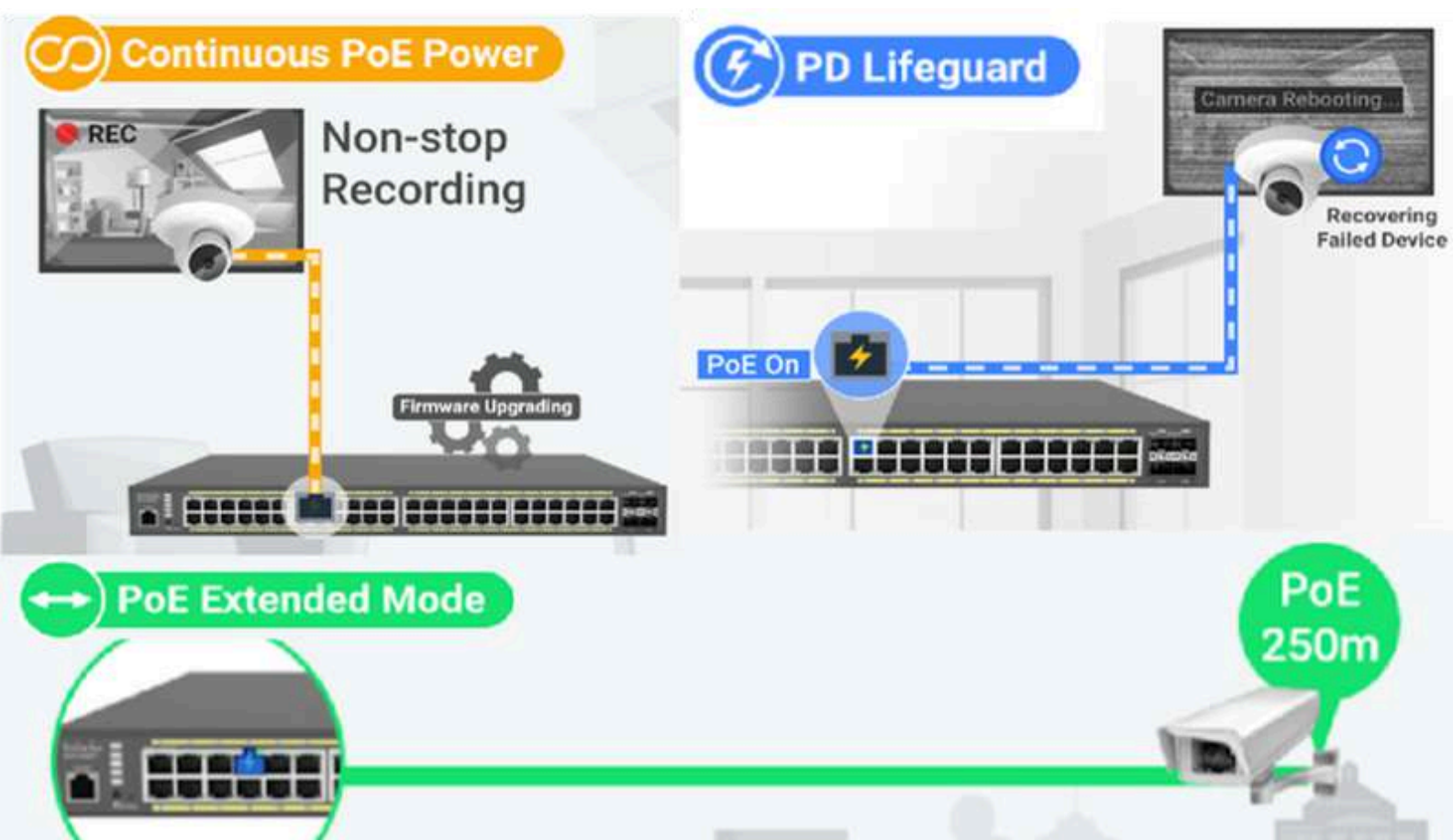
Case Study: MSP of Service Apartment or Dormitory

Challenges

- PSK for each Room unit or individual with uniqueness and limited period.

- Support team member privilege management.

- Big scale configuration deployment.

- Integrated with MSP existing management platform with API access.

- Accelerated WiFi-Calling services for tenants from aboard.

Over 10 apartment buildings, each with 200 suites

Solution

EnGenius Cloud

Network Switch

Units / Rooms

PoE Powered Extender

Access Point

Entrance & Hallway

AI

Unique my PSK to Access Same Wi-Fi Network

Challenge: When the original tenant's rental expires, the wireless network authority should be canceled to avoid security and rights issues.

Solution: When accessing the same SSID, each tenant will have a unique PSK and is associated with a different VLAN tag based on the privilege., including automated access revocation for expired or non-resident users.
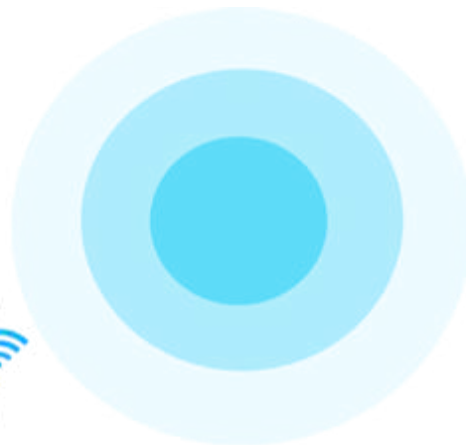
Team Member Privilege Management

Challenge: Traditional MSP Administration involves the time-consuming task of manually adding or removing support team members for each tenant as they come and go.

Solution: MSP Administrators can grant access rights to teams rather than individuals. When team changes are needed, updating the 'Team' list auto-reflects access across related Organizations or Networks.

Streamlined Network Deployment with Setup Cloning

Challenge: Configuring network settings repeatedly from scratch as an MSP can be a constant challenge, demanding time and precision to ensure seamless connectivity for multiple clients.

Solution: The 'Clone feature' allows quick copying of configurations from specific Organizations and Networks, reducing repetitive Org-based or site-based settings.
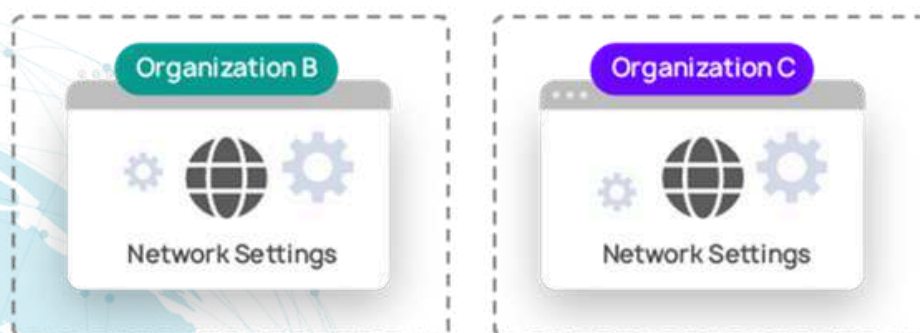
Restful API for Central Management Platform

Challenge: Interoperability challenges arise from various applications using different communication protocols and data formats when exchanging data with EnGenius Cloud.

Solution: With RESTful principles, EnGenius Cloud can define a standardized API that all applications can adhere to, ensuring seamless data exchange and integration.

3rd-party Platform

API

EnGenius
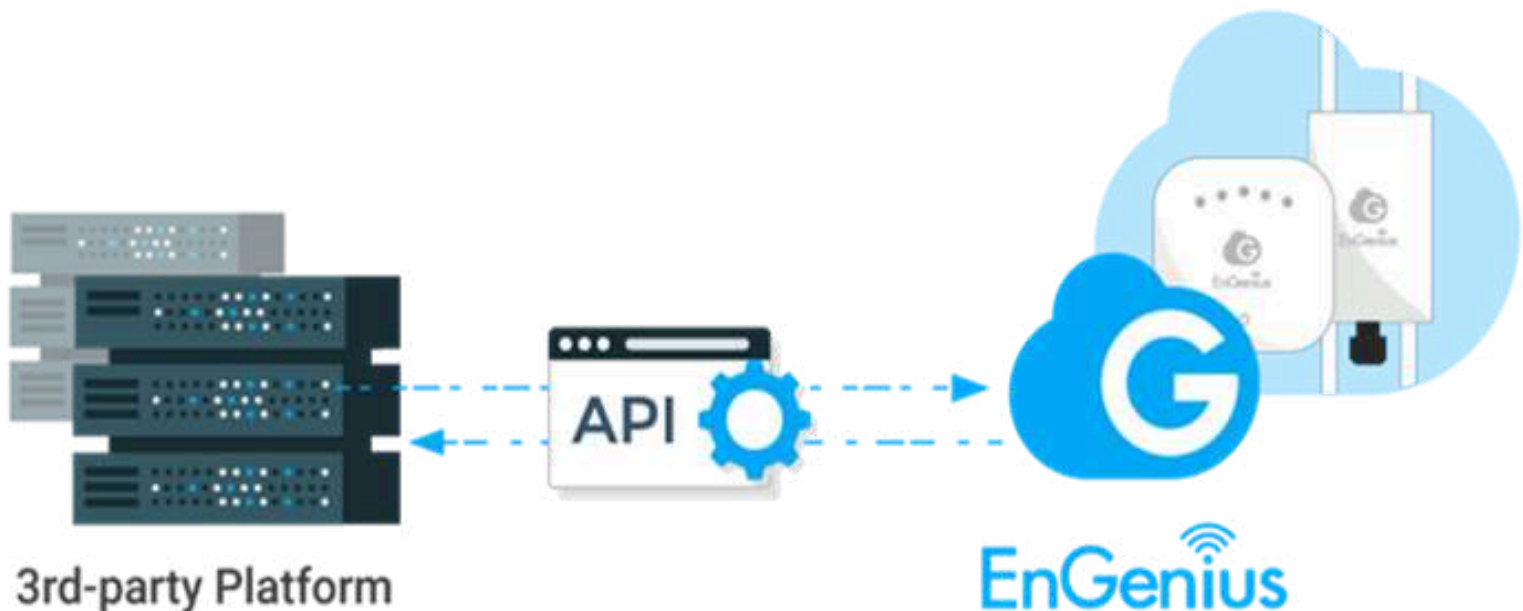
Efficient Network Connectivity with Switch Extenders

Challenge: Extending network connectivity efficiently without compromising performance across various devices.

Solution: The Extenders provide seamless connectivity for multiple PoE devices and support different PoE standards for optimal performance and power delivery.
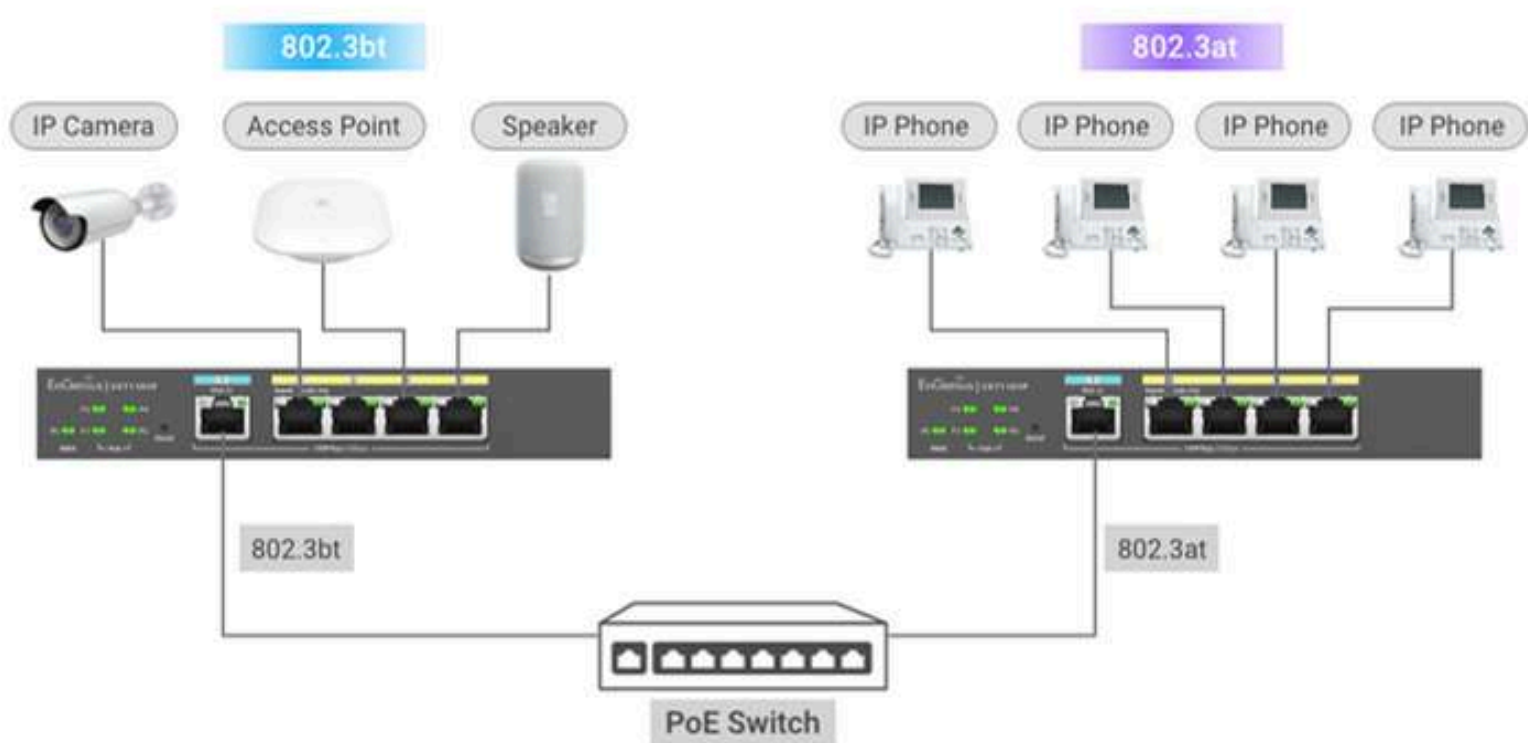
EnGenius AI Cloud vs. Traditional Surveillance

Challenge: Traditional systems need complex NVR/CMS setups and maintenance, making large-scale management difficult.

Solution: EnGenius Cloud AI cameras have built-in storage, eliminating NVR/CMS needs, simplifying deployment and enabling cloud-based data search.
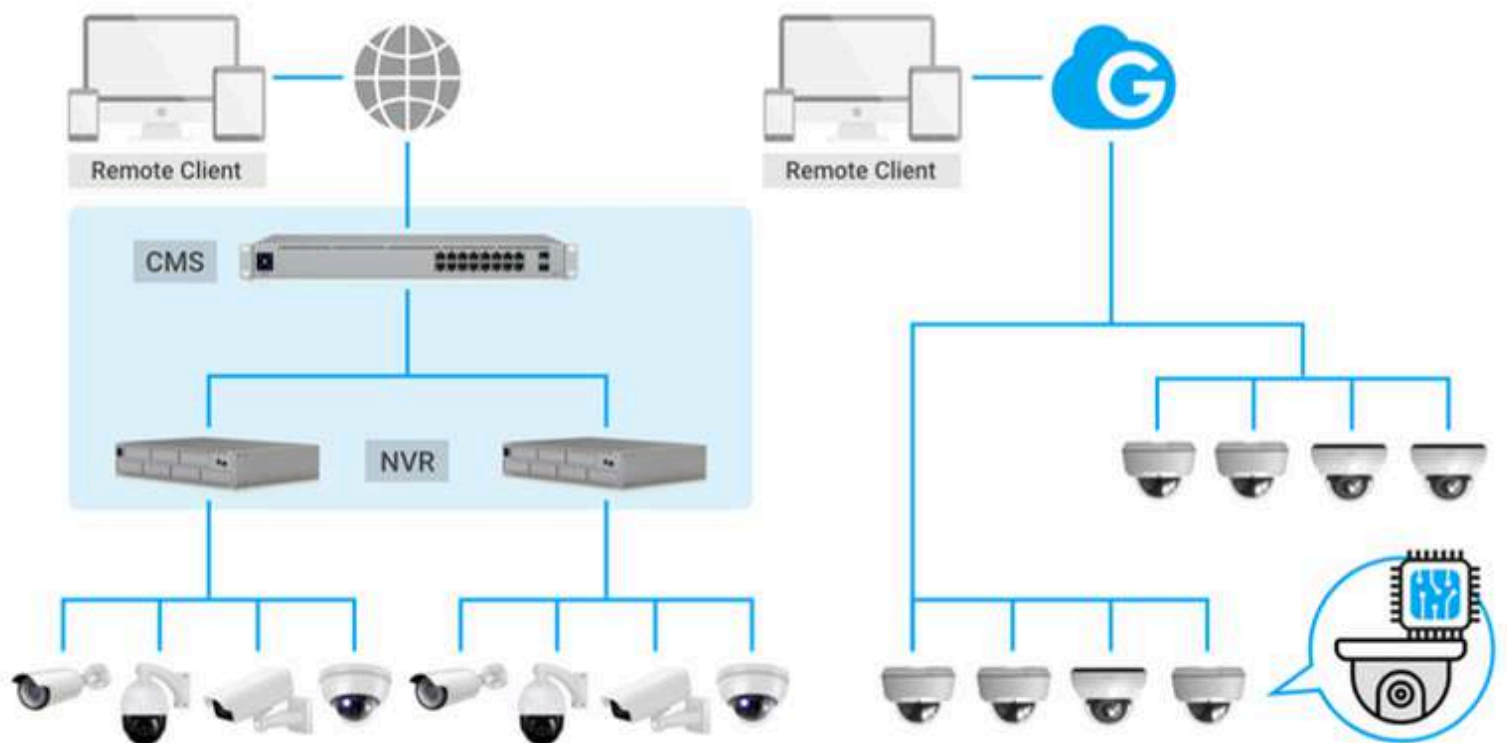
- AI Camera with embedded video storage
- Plug and Play
- No NVR/CMS installation and Maintenance
- Big scale deployment and management
- Big Data Search on cloud

Case Study: Hospitality – Hotel Chain with 130 rooms in 9 floors each

Challenges

- Guest devices privacy (Client Isolation)
- Trend of BYOM (bring your own media) for stream casting
- In-Room Switch/AP installation and management

Solutions

EnGenius Cloud

Network Switch

Wall Plate
Access Point
for each room

SmartCasting for Mobile Media Streaming to TV

Challenge: Guest Network with L2 isolation blocks device-to-TV casting, creating inconvenience and poor guest experience.ion protocols and data formats when exchanging data with EnGenius Cloud.

Solution: SmartCasting enables easy setup and mobile streaming to TVs, enhancing guest entertainment with personalized content on the big screen.
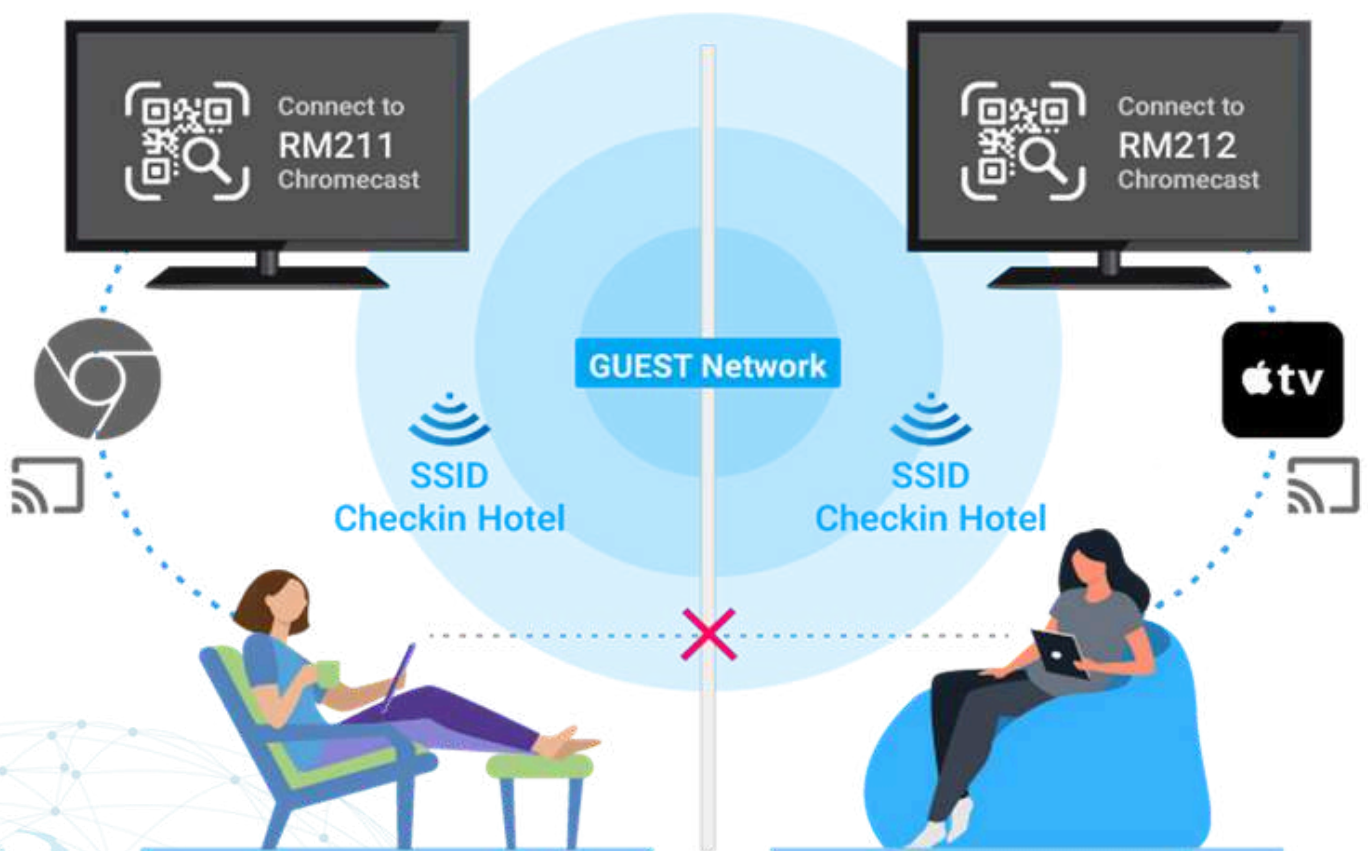
Switch Configuration Template for Easy Deployment

Challenge: Time-consuming and cumbersome process of setting up each switch port.

Solution: Deploy port configurations to the same device models in your network. For example, the hotel manager can easily deploy the same switch port settings to each room.
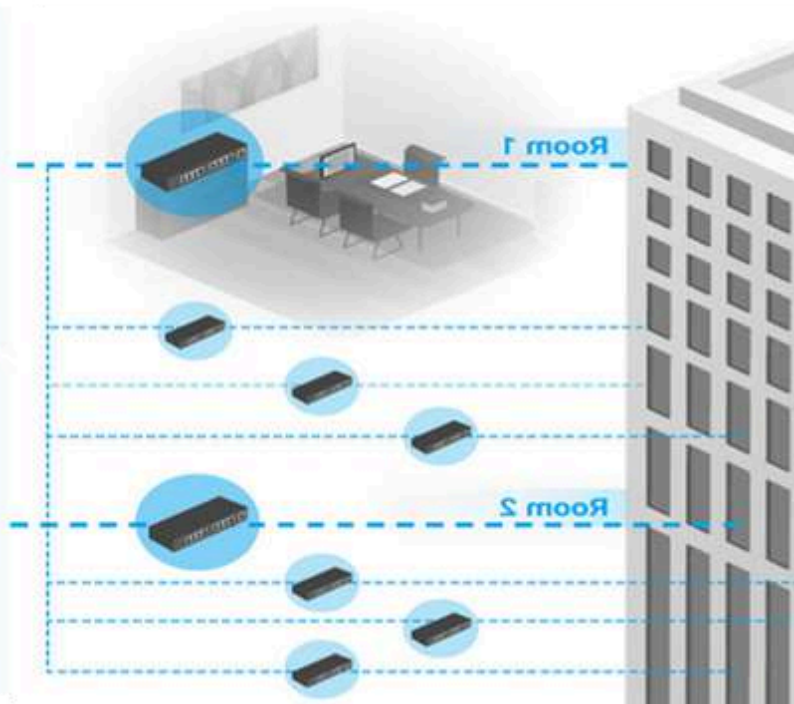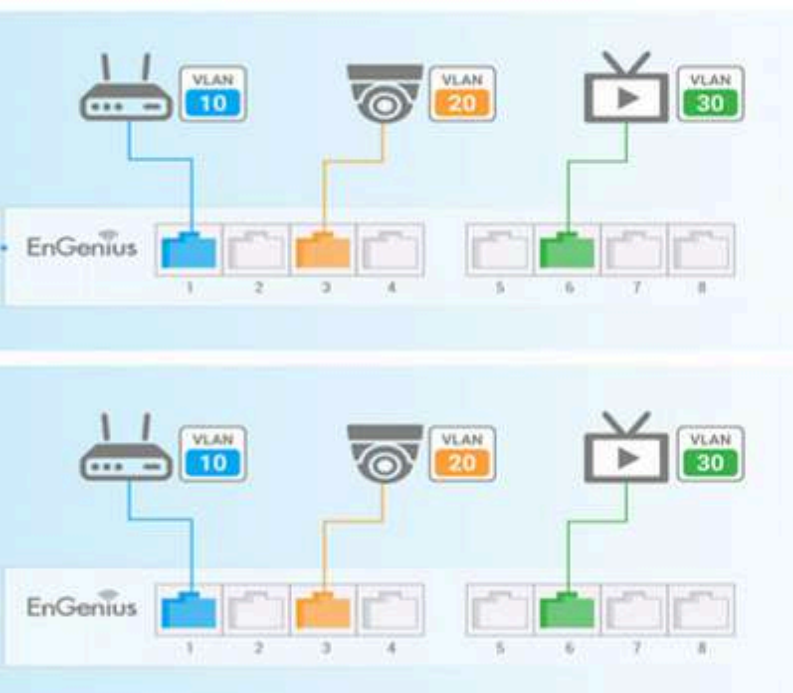
Captive Portal & Splash Page for Guest Wi-Fi

Challenge: Need to personalize branding, message delivery, and visitor traffic redirection via the Wi-Fi portal page.

Solution: Customize splash pages of your captive portal with a WYSIWYG editor from the template you choose, redirecting visitor traffic while delivering important messages.
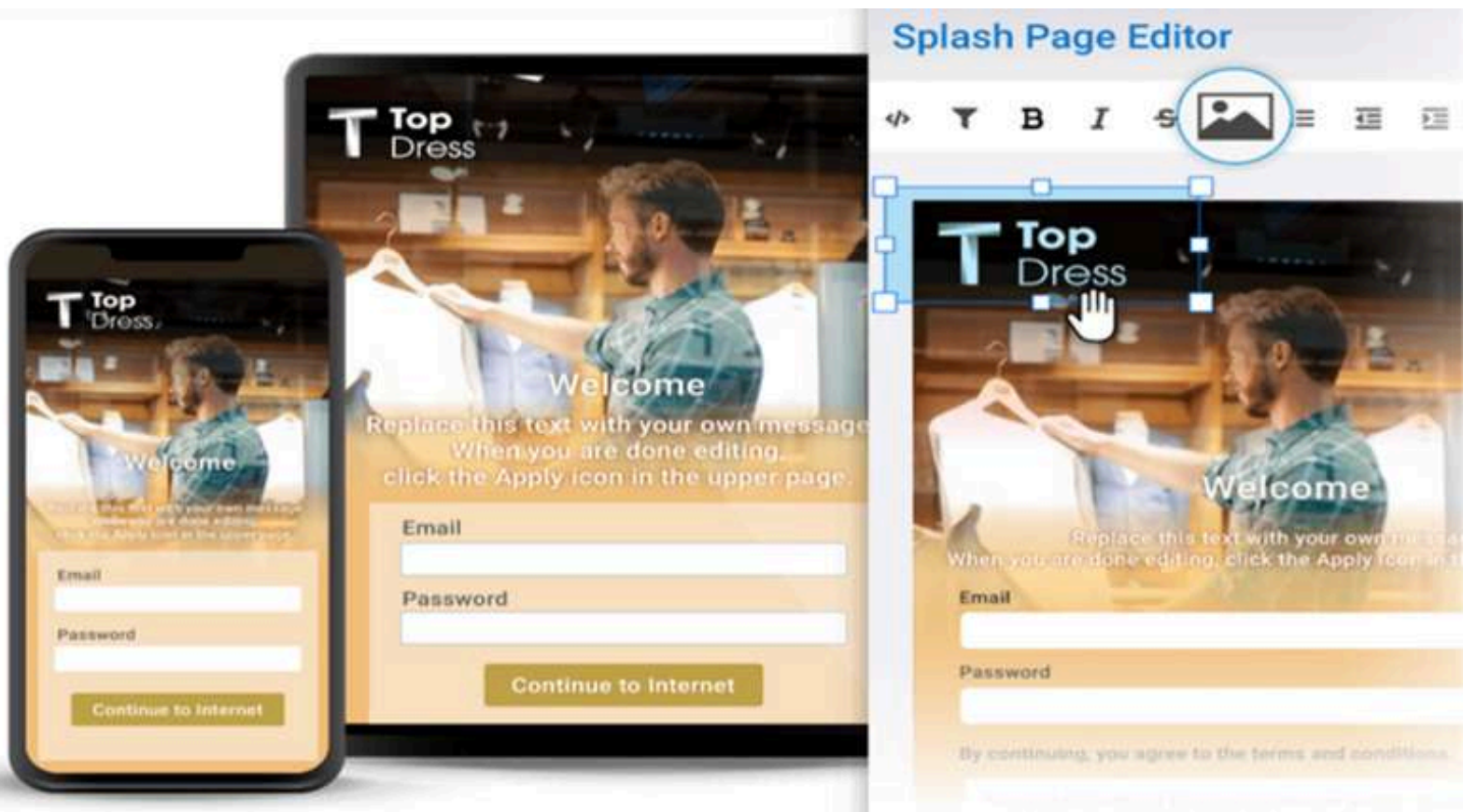
Case Study: Campus with 11 buildings, 800+ AP, 6000 Students

Challenges

- AD server with separate authentication for Staff and Student
- Need to eliminate the broadcast/multicast traffic to minimum area
- Heavy Video streaming and multicast usage

Solutions

EnGenius Cloud

Network Switch

Access Point X800
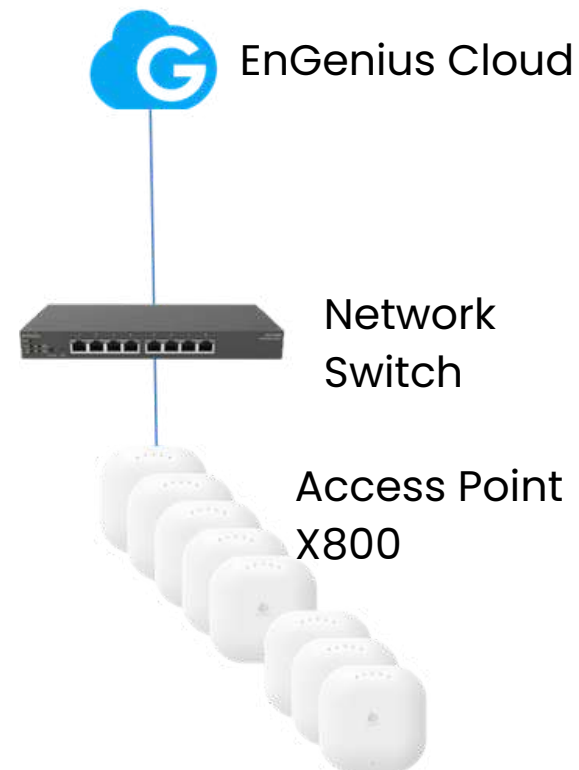
AD Authentication Integration for Wi-Fi Access with Groups

Challenge: Complexity of managing multiple user credentials for Wi-Fi access, both for individual users and administrators.

Solution: Single sign-on the campus Wi-Fi or SMB Wi-Fi with Google LDAP and Azure AD integration for centralized user management.

VLAN Pooling to eliminate the broadcast/multicast Traffic

Challenge: Broadcast traffic can flood the network, leading to inefficiencies and potential slowdowns.

Solution: The APs automatically assign clients to different VLANs from a user-defined pool, effectively partitioning the broadcast domain and preventing traffic flooding.

Multi-Location Offices Use Cases

Challenges

- Video conference might be impacted by other traffic
- Secure Site-Site Connections
- Easy Deployment of Client VPN
- Wi-Fi Heat Map Plan

Solutions

Business Router

EnGenius Cloud

Business Router

Business Router

Office Device

Client VPN
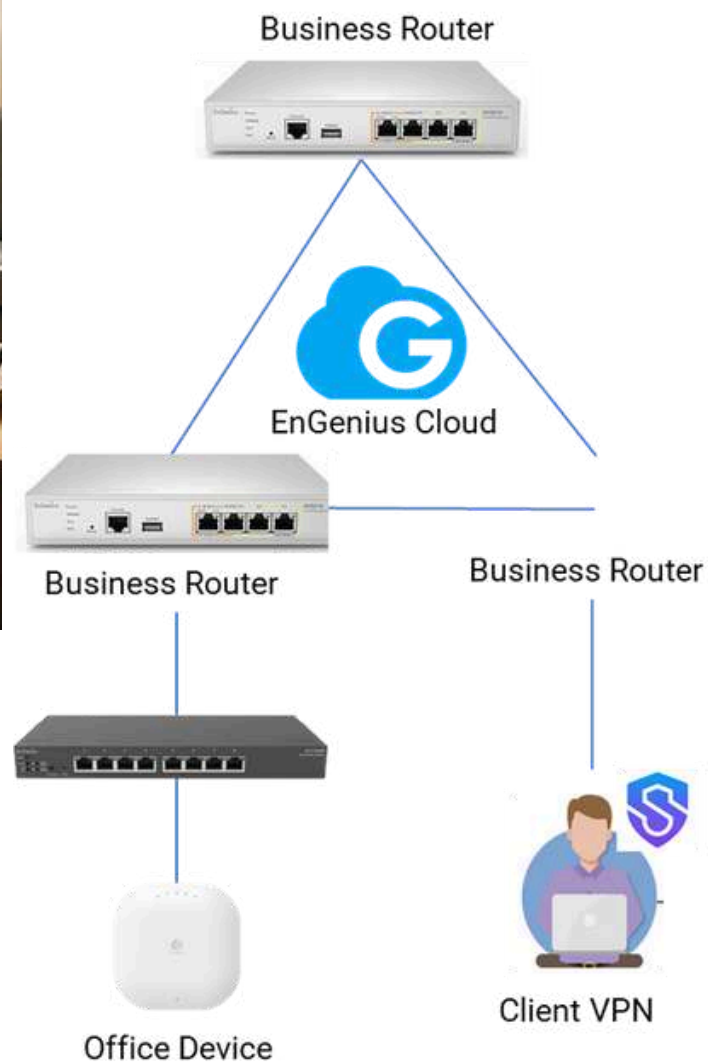
Simple One-Click Prioritization User Interface

Challenge: Users need an easy way to prioritize network traffic for various applications without technical expertise.

Solution: EnGenius AVXpress mode offers a simple interface to prioritize services like voice calls, video conferencing, streaming, and gaming with just one click, ensuring optimal performance for critical applications.
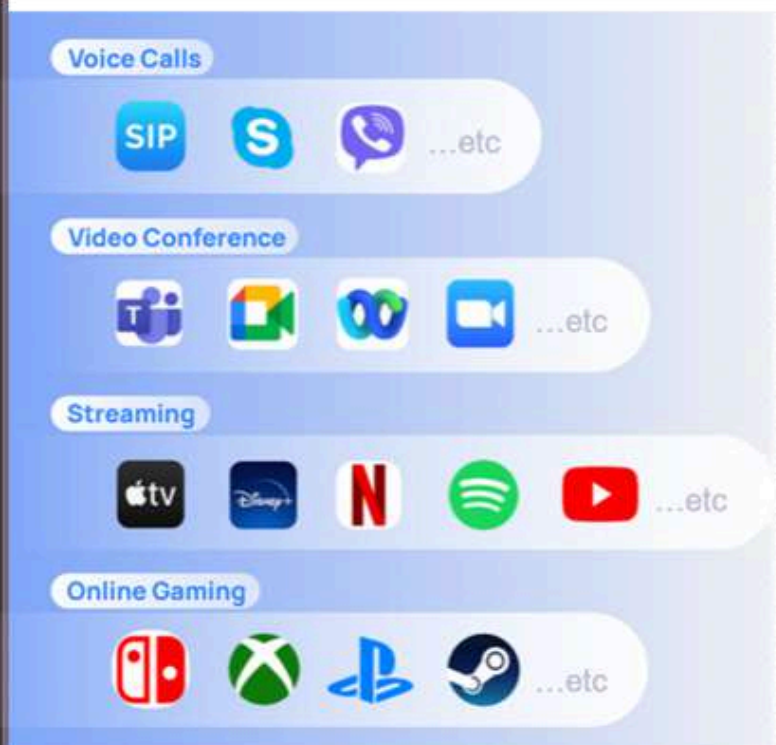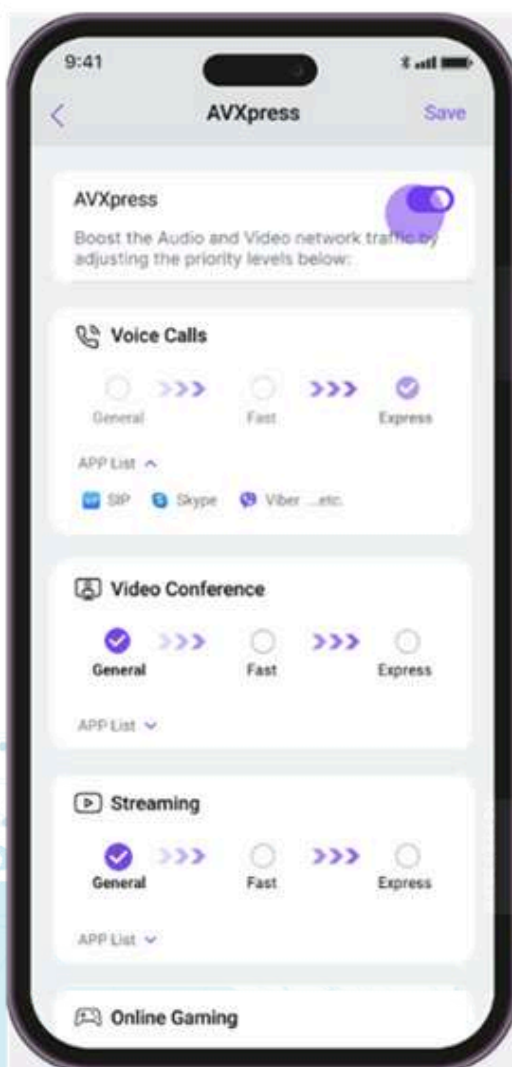
Consistent Wired & WiFi Networks Quality With AVXPress

Challenge: Ensuring consistent quality of service for both wired and wireless networks.

Solution: EnGenius AVXpress prioritizes application traffic across both wireless and wired connections, ensuring "Express" priority from EnGenius Access Points to EnGenius Switches for seamless end-to-end network performance.

AVXpress and its Improvement on Video Call Latency

Challenge: High latency in video conferencing can degrade call quality and user experience.

Solution: EnGenius AVXpress significantly reduces average latency to below 100ms, ensuring smoother, uninterrupted video calls, and enhancing overall communication stability and user satisfaction.

Without AVXpress

With AVXpress
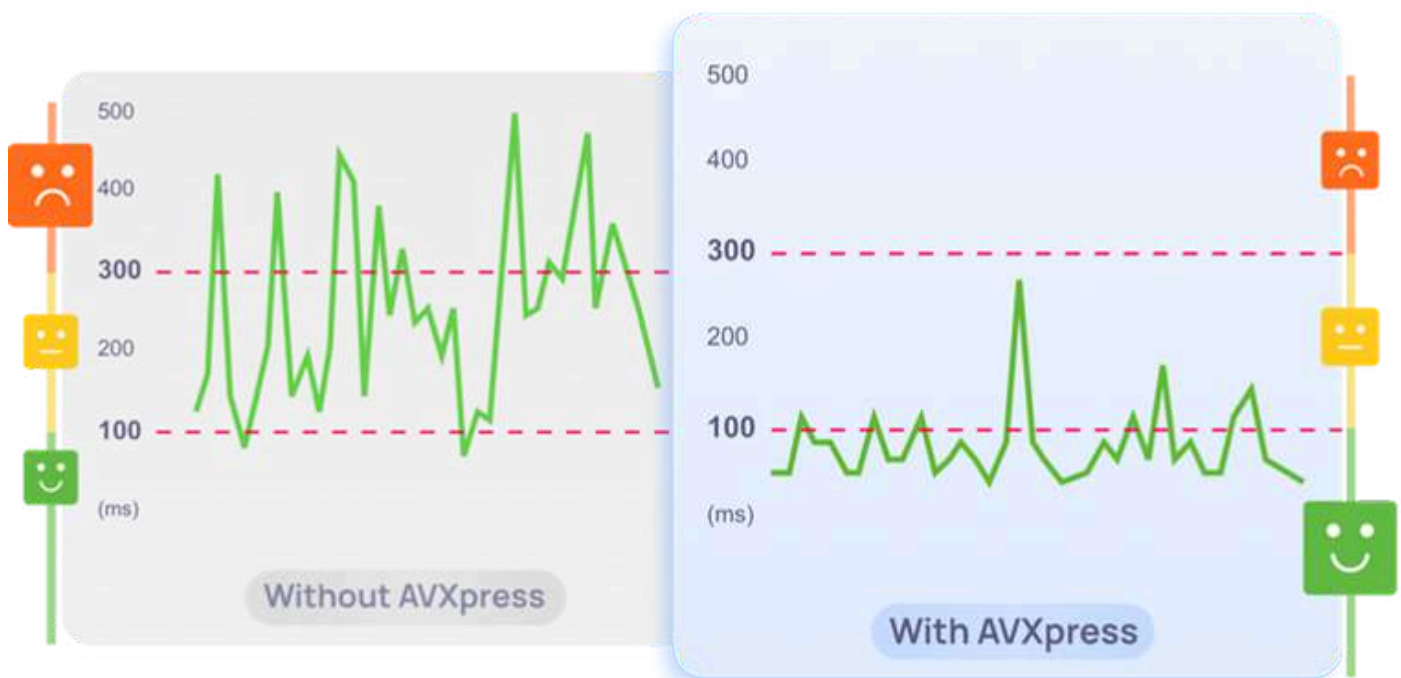
*Source: EnGenius Test Lab

—— Average Latency(ms)

Seamless Connectivity with Gateway Auto-VPN and NAT Traversal

🌀 **Challenge:** When VPN settings or WAN IP changes, the connection will be lost until manually restored

🌀 **Solution:** Effortlessly ensure seamless connectivity with Auto-VPN, auto-healing and adjusting VPN settings when WAN IP changes.
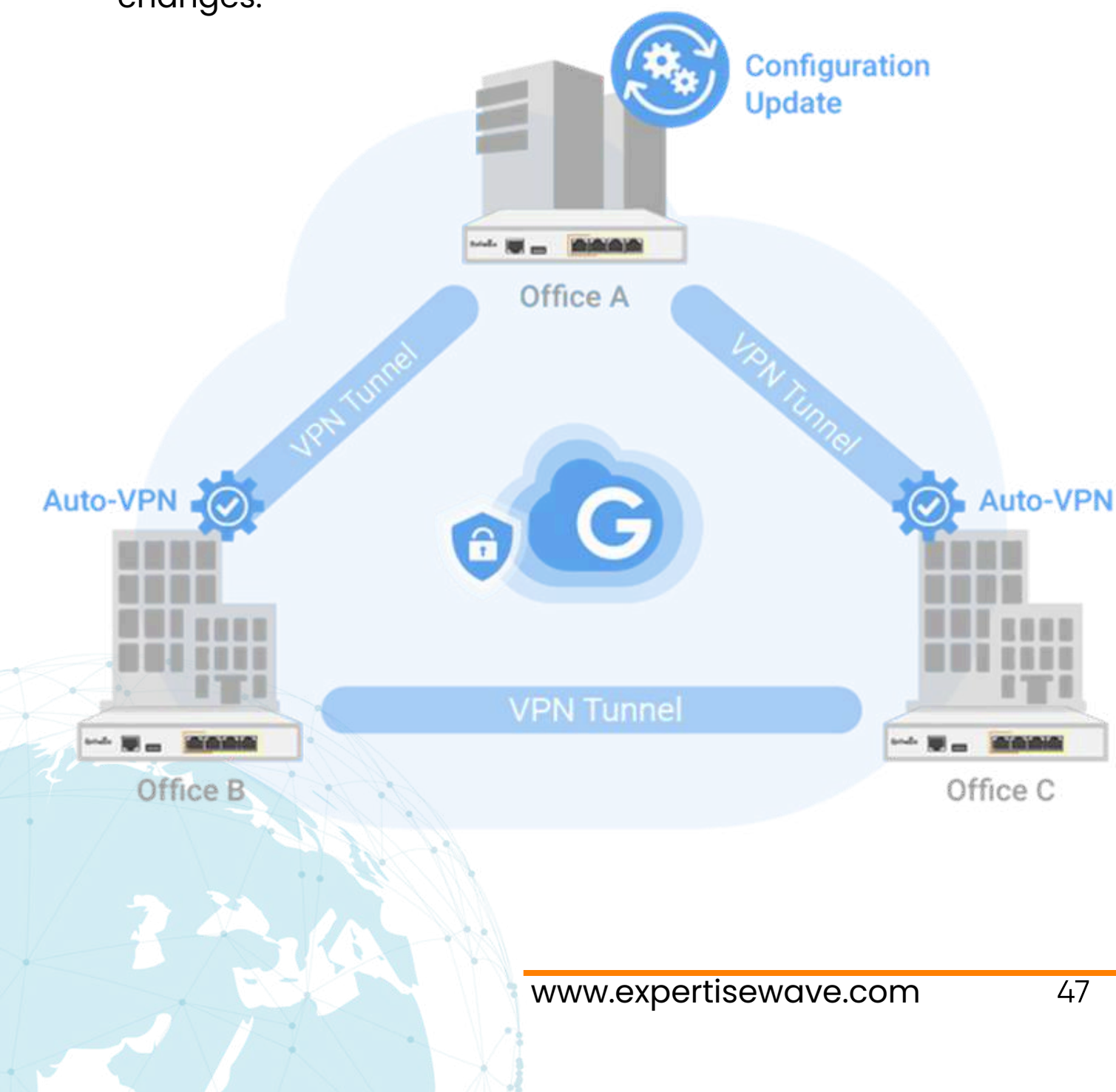
SecuPoint Client VPN Tool for Remote Connection to Office

Challenge: Enterprises must establish secure VPN channels quickly for remote and mobile work.

Solution: The SD-WAN Client VPN tool for secure authentication, encryption, and seamless connection for work-from-home users.
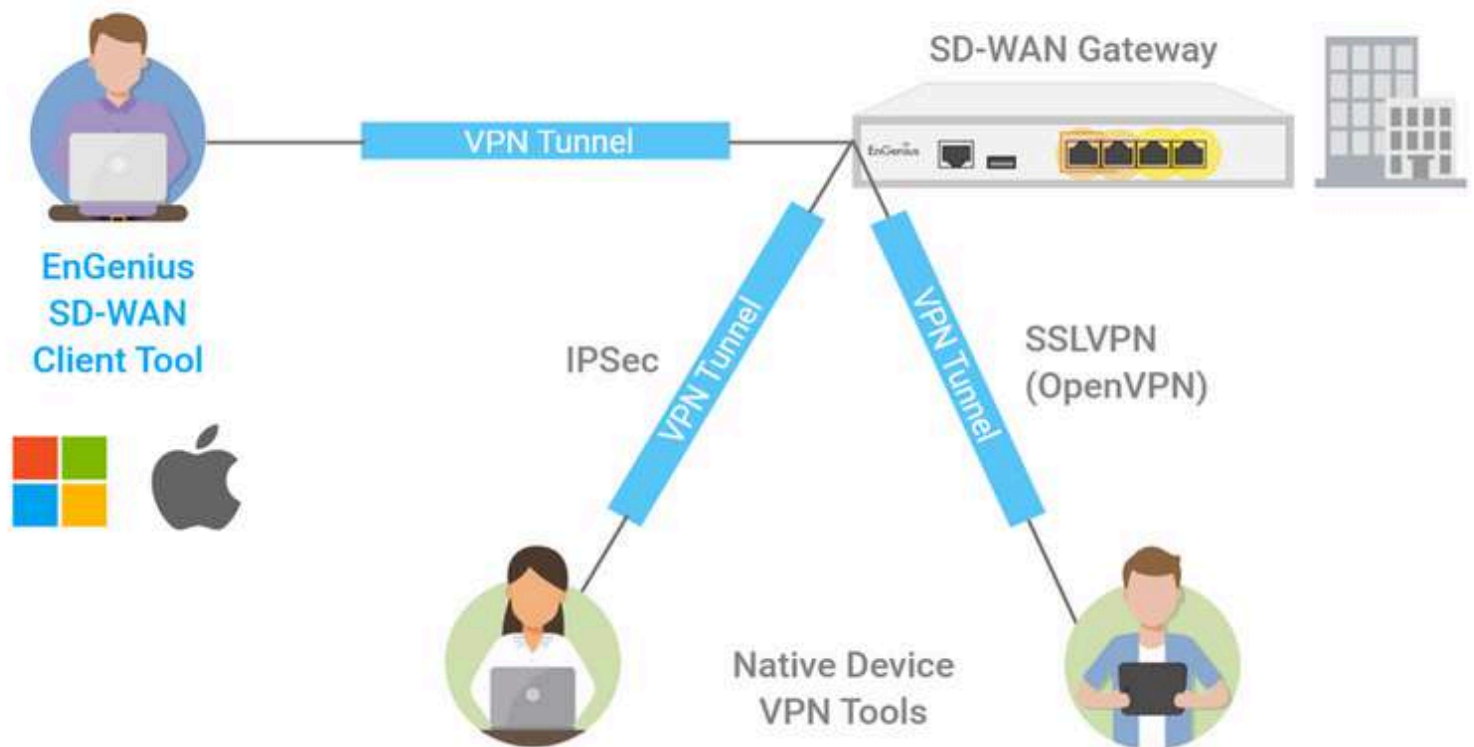
Layer 4/7 Policy Route
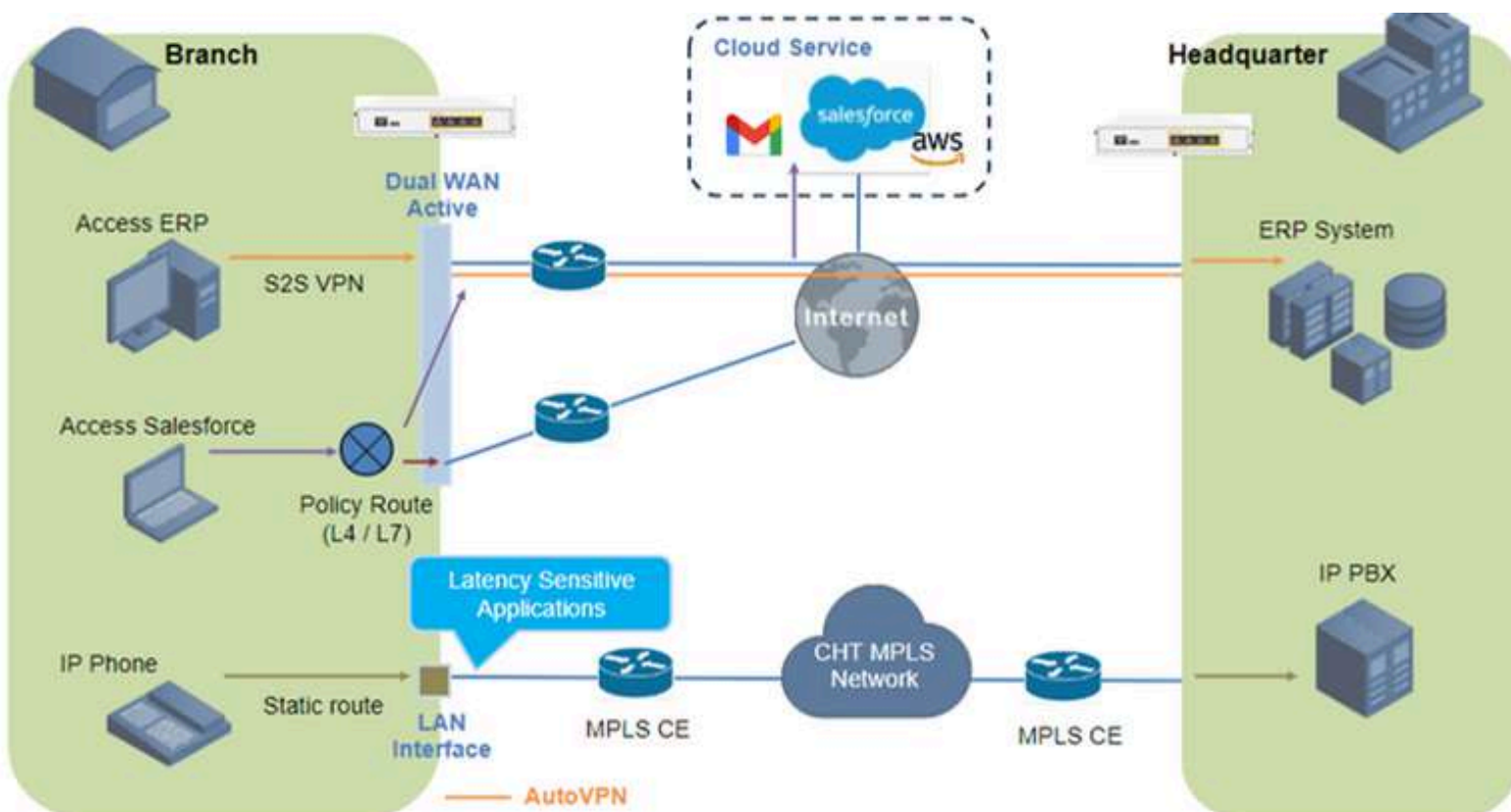
Wi-Fi Planning with Real Environmental Effects

Challenge: •Customers cannot understand the real coverage and signal conditions of Wi-Fi to effectively plan and optimize the network.

Solution: View the actual Wi-Fi coverage according to the floor map you uploaded, where real-world obstacles such as wall effects are factored in.

Flexible Internet Links Fail-over for Maritime

Challenge: •Customers cannot understand the real coverage and signal conditions of Wi-Fi to effectively plan and optimize the network.

Solution: View the actual Wi-Fi coverage according to the floor map you uploaded, where real-world obstacles such as wall effects are factored in.
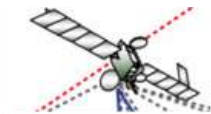
WAN Fail-Over Order Setting

Starlink	1	1
VSAT	2	3
Cellular	3	2

Diagnostics and Support
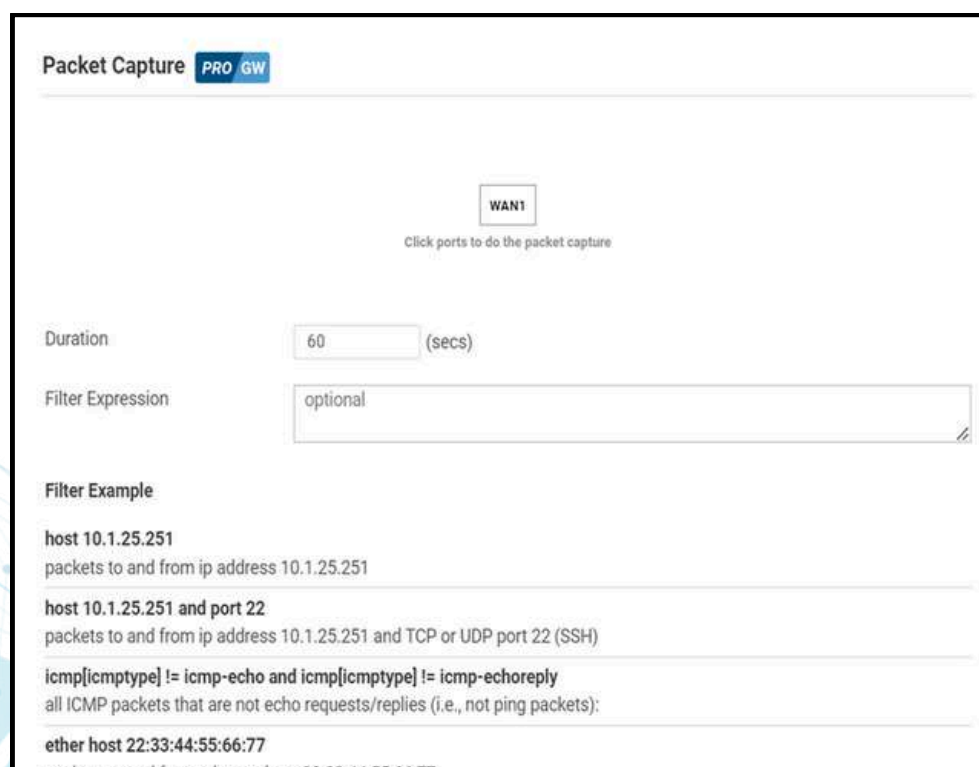
EnGenius Cloud Global Support - On-Line Chat Box
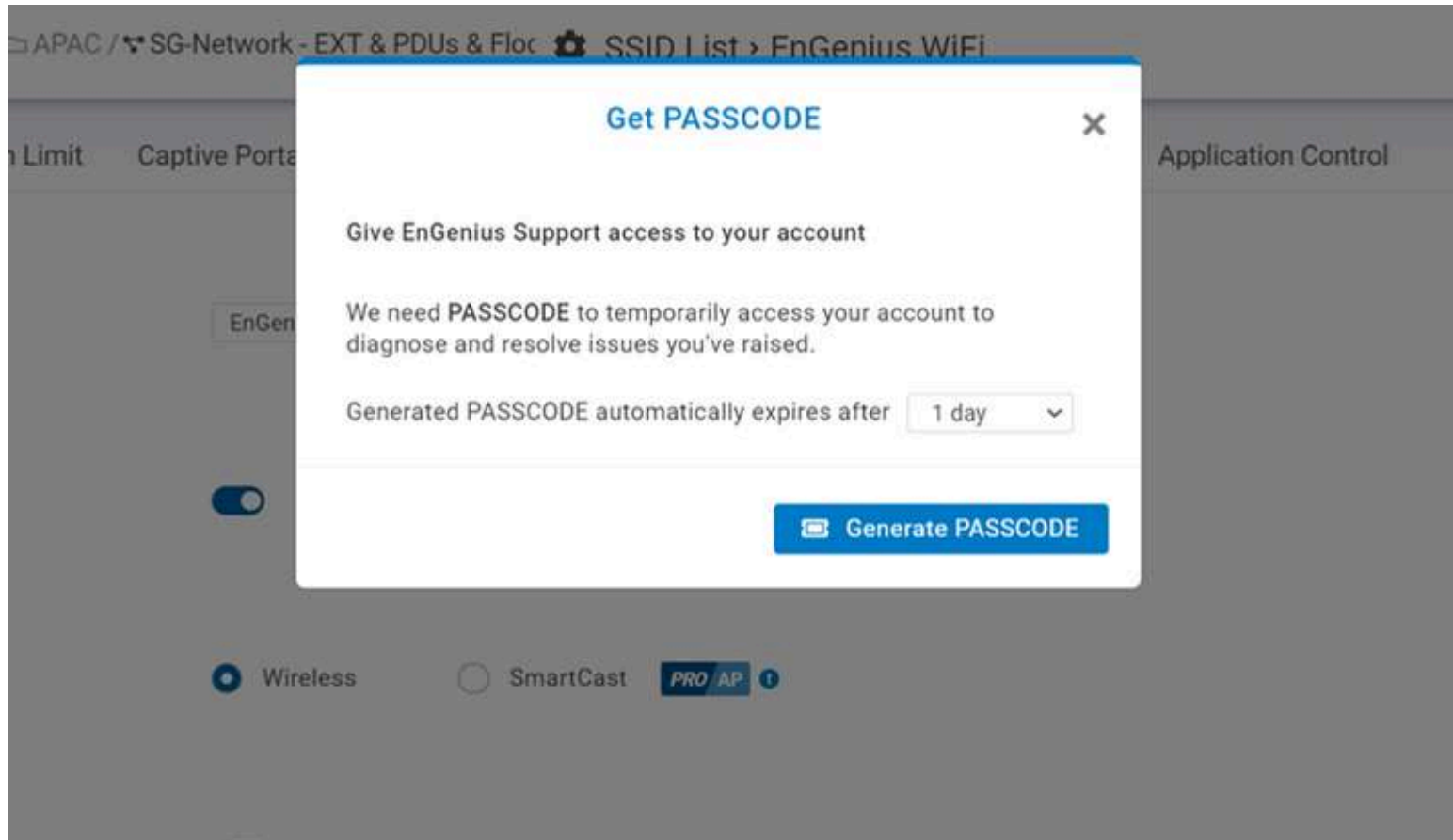
Advanced Tools for Self-Diagnostics
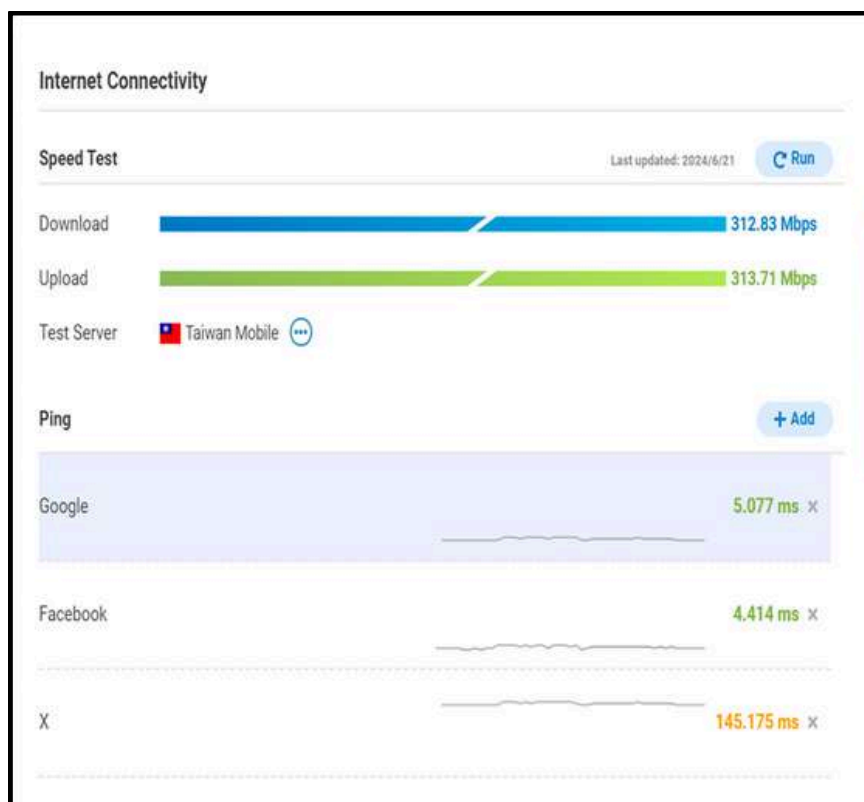
AP with Dedicated Scanning Radio

Auditorium:Zero-wait DFS for High Density Environment

Challenge: Customers cannot understand the real coverage and signal conditions of Wi-Fi to effectively plan and optimize the network.

Solution: The dedicated radio continuously scan all DFS channels in the background and maintain a list of available DFS channels—preventing client devices from being temporarily disconnected.
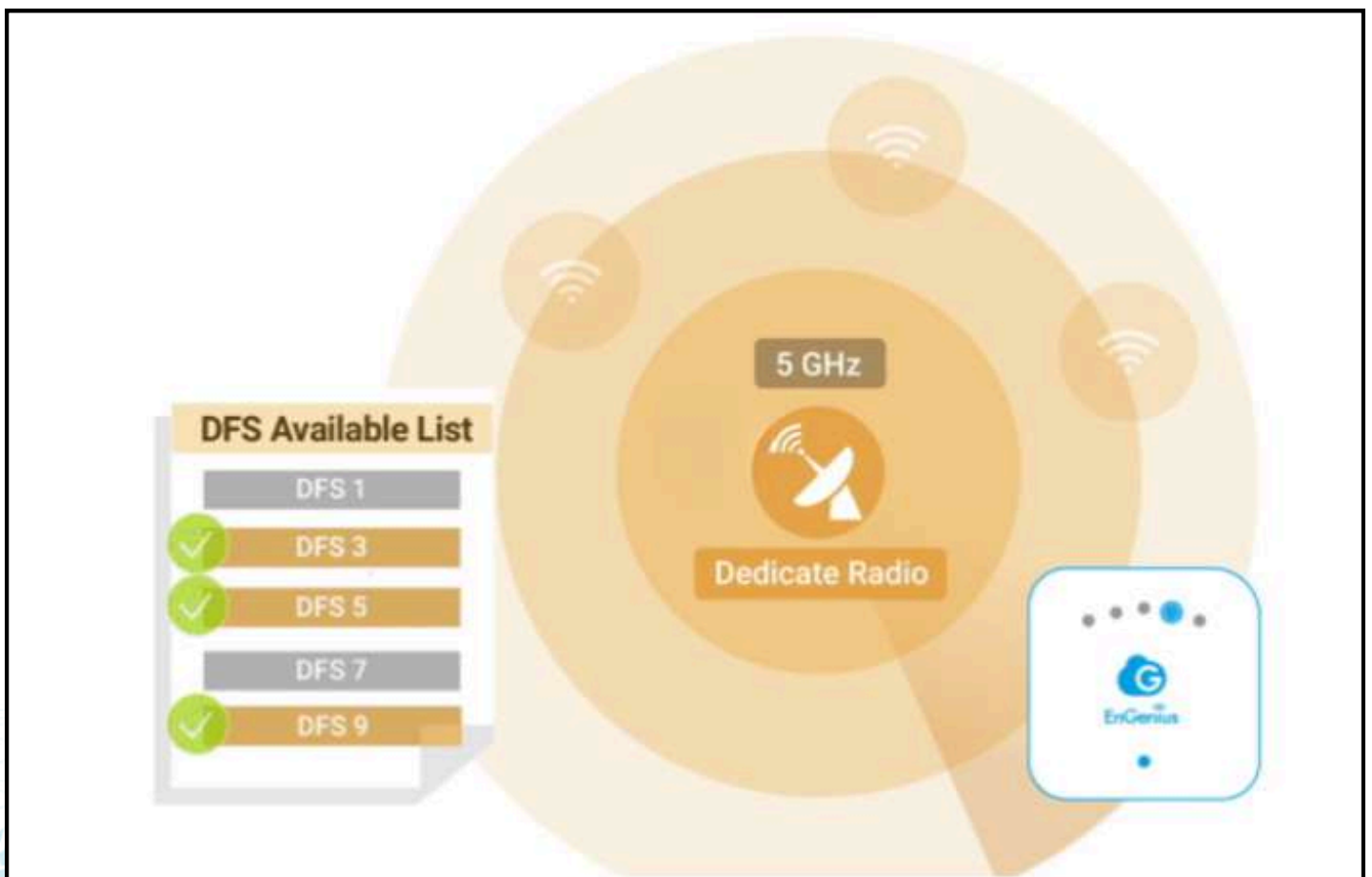
Military:WIPS for High Security Concern Environment

Challenge: Rogue access points bring risks and can often mimic legitimate SSIDs, tricking users into connecting to them.

Solution: AirGuard™ is an intelligent wireless security system built in to the EnGenius Cloud security AP to protect the airspace from rogue devices and wireless threats with dedicated scanning radios.

Cloud Product Offerings

Cloud-Managed Access Points

Wi-Fi 7				**ECW526** 2x2x2 BE9500	**ECW536** 4x4x4 BE19000
Wi-Fi 6E		**ECW336** 4x4x4 AX8400			
Wi-Fi 6	**ECW215** 2x2 AX 1800 (wall)	**ECW230** 4x4 AX3600	**ECW230S** 4x4 AX3600(Security)	**ECW270** 4X4 AX 3600 (Outdoor)	
	ECW260 2x2 AX 1800 (Outdoor)	**ECW220** 2x2 AX1800	**ECW220S** 2x2 AX1800 (Security)		
	802.3at			802.3bt	

EnGenius Wi-Fi 7 Product Offerings

Cloud7 4x4x4 (ECW536)

Cloud-managed Wi-Fi 7 Indoor AP

- 18,800 Mbps
- 4 x 4:4
- 802.3bt
- 1x 10GE PoE++ port & 1x 10GE port
- EnGenius Cloud-managed

Cloud7 2x2x2 (ECW526)

Cloud-managed Wi-Fi 7 Indoor AP

- 9,400 Mbps
- 2 × 2:2
- 802.3at
- 1x 10GE PoE+ port
- EnGenius Cloud-managed
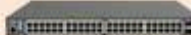
ECW536(Cloud7 4x4x4)

ECW536

Wi-Fi7
Tri-band
4x4x4

6 GHz
2x Wider Bandwidth
320 MHz in 6GHz Band

WiFi 6   WiFi 7
120% Faster Scheme
4096-QAM

Minimal Latency
Multi-Links Operation

6GHz
5GHz
2.4GHz
Up To 19 Gbps
Data Rates of Tri-Band

2x 10GE Ports

Ceiling Bracket
Quick Mounting
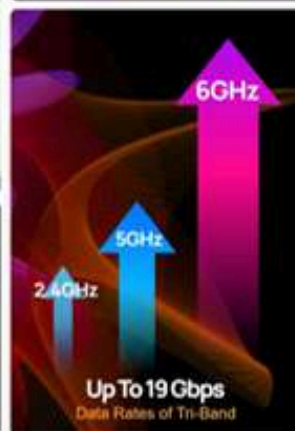
Cloud Management

Cloud-managed Network Switches

10Gbps	**ECS5512** 4x SFP+	**ECS5512FP** 4x SFP+ 802.bt(420W)	**ECS5512F** 12x 10G SFP+
2.5Gbps	**ECS2510FP** 2x SFP+ 802.3at(240W)		

ECS2528FP
16x GE+ 8x 2.5GE
4x SFP+
802.3 at(410W)

ECS1528P
4x SFP+
802.3 at(410W)

ECS2552FP
32x GE+ 16x 2.5GE
4x SFP+
802.3 at(740W)

ECS1552FP
4x SFP+
802.3 at(740W)

Gbps

ECS1008P
802.3af (55W)

ECS1112FP
2xSFP
802.3at(130W)

ECS1528T
4x SFP+

ECS1528P
4x SFP+
802.3 at(240W)

ECS1552
4x SFP+

ECS1552P
4x SFP+
802.3 at(410W)

8-port	24-port	48-port

Cloud-managed SD-WAN Gateways

	Gateway5 4mG (ESG510)	Gateway6 4mG (ESG610)	Gateway6 8mG 2SFP+ (ESG620)
CPU Processor	Quad Core 1.6 GHz	Quad Core 2.2 GHz	Quad Core 2.2 GHz
RJ45 Interface	4x 2.5G Ports (1x PoE+)	4x 2.5G Ports (1x PoE+)	8x 2.5G Ports (4x PoE+)
SFP Interface	-	-	2x SFP+
Mounting Method	Wall Mount	Wall Mount	Rack Mount
Firewall Throughput	4G (Firewall Throughput)	6.7G (Firewall Throughput)	9.5G (Firewall Throughput)
VPN Throughput	960 Mbps (VPN Throughput)	1.7 Gbps (VPN Throughput)	1.7 Gbps (VPN Throughput)

ECP106-INT

6 Individually IP Controlled and Metered Outlets

ECP212-INT

12 Individually IP Controlled and Metered Outlets

Switch Extender 4 Po

Effortless network extension with integrated PoE and PSE output capabilities.

- 4x GE PoE Ports
- 1x GE PD Power Input

EXT1105P

Switch Extender 4GE 1SFP

Beyond 100-meter network extension with an SFP interface while ensuring optimal performance.

- 1x SFP Interface
- 1x GE PD Power Input & 4x GE Ports

EXT1106

Switch Extender 3GE 4 PoE 1SFP

Comprehensive network extension beyond 100-meter with PoE, PSE, and SFP interface for optimal performance.

- 1x SFP Interface
- 4x GE PoE Ports
- 1x GE PD Power Input & 4x GE Ports

EXT1106

EnGenius Fit Solution | Fit

EnGenius Fit Overview

Smart Networking for Small Business

Affordable Business-Grade Hardware. Meet the needs of small businesses with flexible deployment and management options.

Fit Solution Benefits for Small Business

Seamless & Affordable Solution

Easy Deployment

Setup network with easy on-boarding features

Flexible Management

Suitable for remote or on-premises scenarios

Cost-effective Devices

Affordable hardware with enterprise features

Components of EnGenius Fit Solution

Hardware: Access Points, Network Switches, SD-WAN Gateway

Management platform: Cloud management (FitXpress) and On-premises (FitController)

HARDWARE

MANAGEMENT PLANE

Indoor/ Outdoor Wireless

Layer 2+ Switches

Cloud-managed

FitXpress

On-premises

FitController
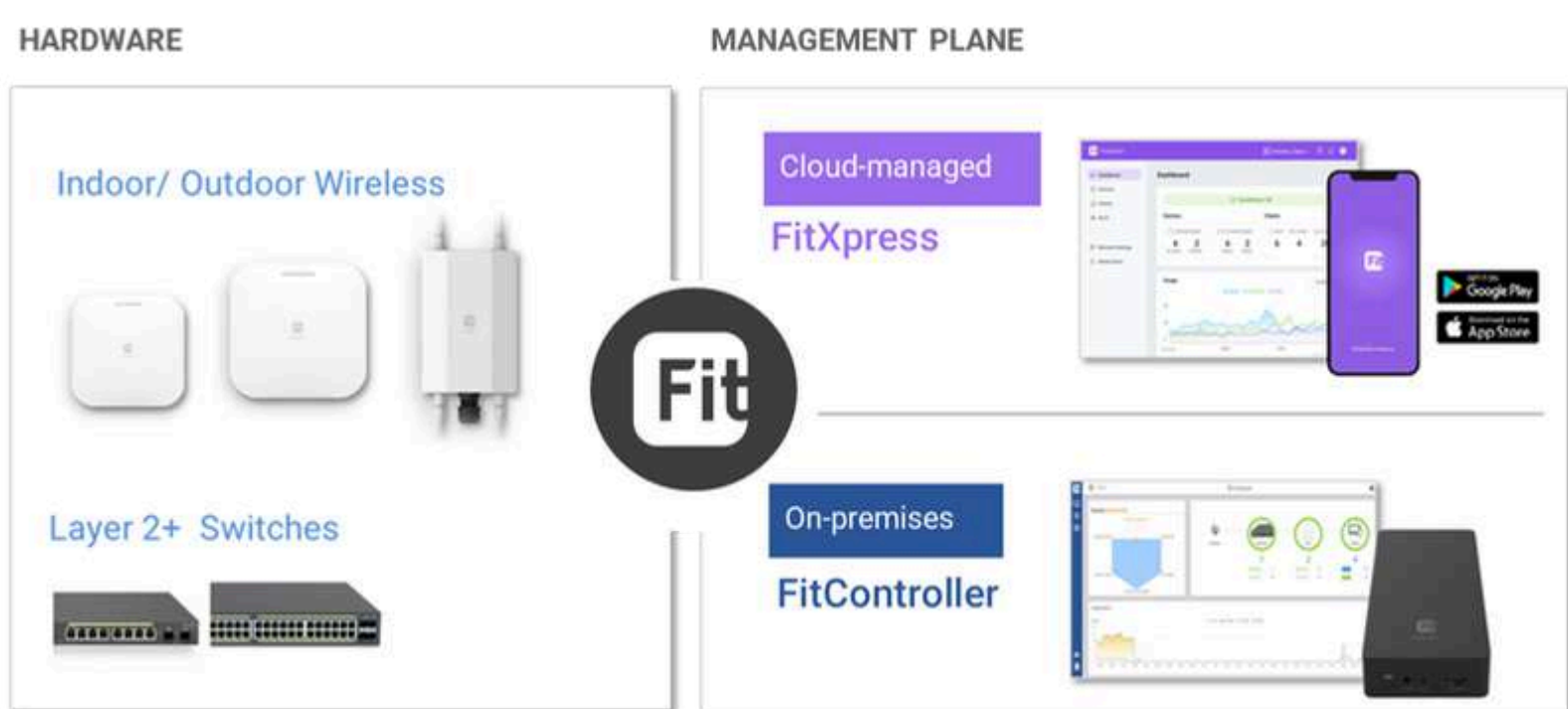
FitXpress Highlights | Fit

Easy-to-use Solution for Small Business

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 and devices anywhere and at any time.

User Delegation for Multiple-locations Management

Manage multiple networks through a unified interface and delegate users with specific privileges for network management.
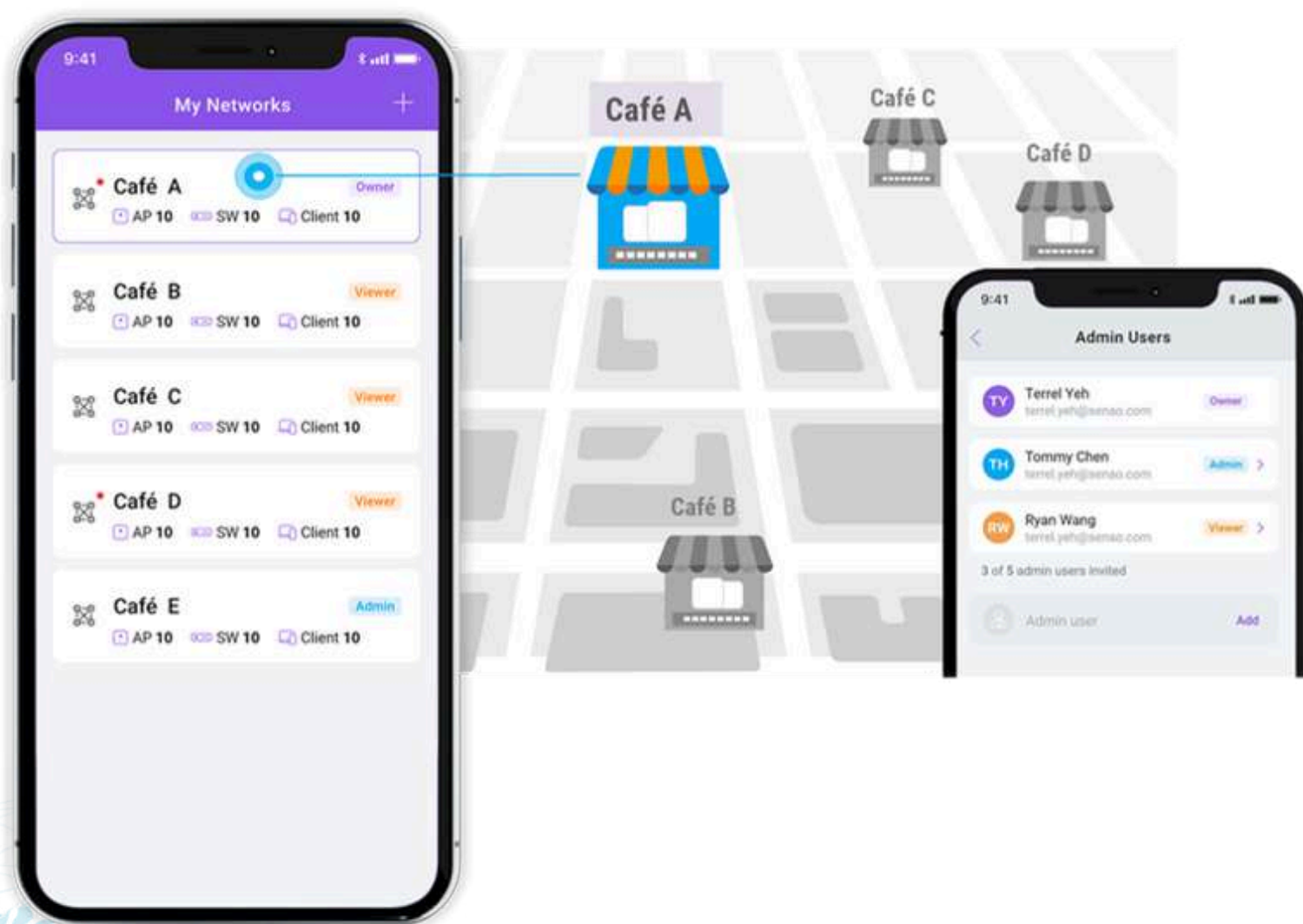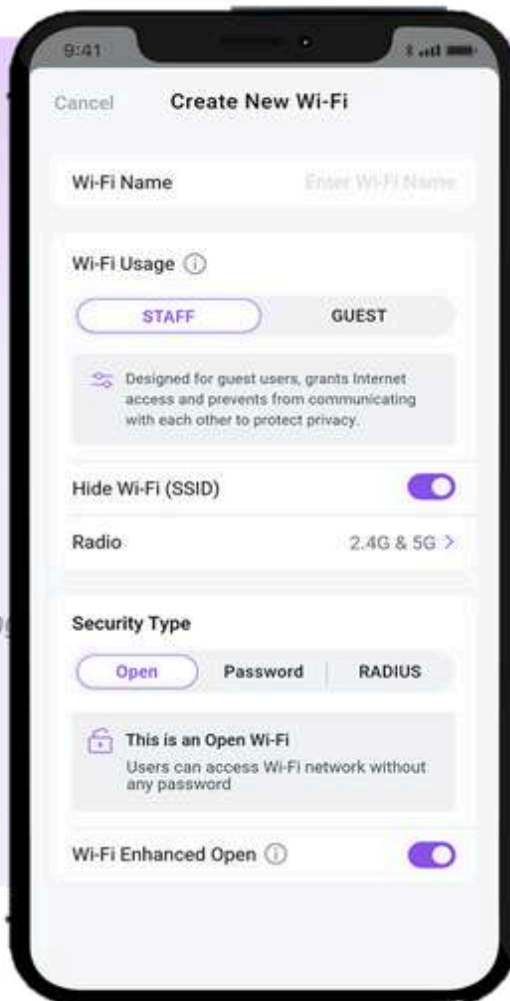
Quickly Create Secure Staff and Guest Wi-Fi Networks

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

Wi-Fi Usage-STAFF

Open Wi-Fi
Access Wi-Fi network without any password

Password
Connect Wi-Fi network with password

Portal
Require authentication in Captive Portal before accessing the network

RADIUS
Verify user identity when connecting to a Wi-Fi network

Wi-Fi Usage-GUEST

Open Wi-Fi
Access Wi-Fi network without any password

Password
Connect Wi-Fi network with password

Portal
Required to see a web page when accessing a Wi-Fi network

9:41

Cancel | **Create New Wi-Fi**

Wi-Fi Name | Enter Wi-Fi Name

Wi-Fi Usage (i)

| STAFF | GUEST |

Designed for guest users, grants Internet access and prevents from communicating with each other to protect privacy.

Hide Wi-Fi (SSID)

Radio | 2.4G & 5G >

Security Type

| Open | Password | RADIUS |

This is an Open Wi-Fi
Users can access Wi-Fi network without any password

Wi-Fi Enhanced Open (i)

Personalize Captive Portals for Wi-Fi Networks

Customize different Captive Portals for Wi-Fi networks to authenticate users before they can access the Internet.
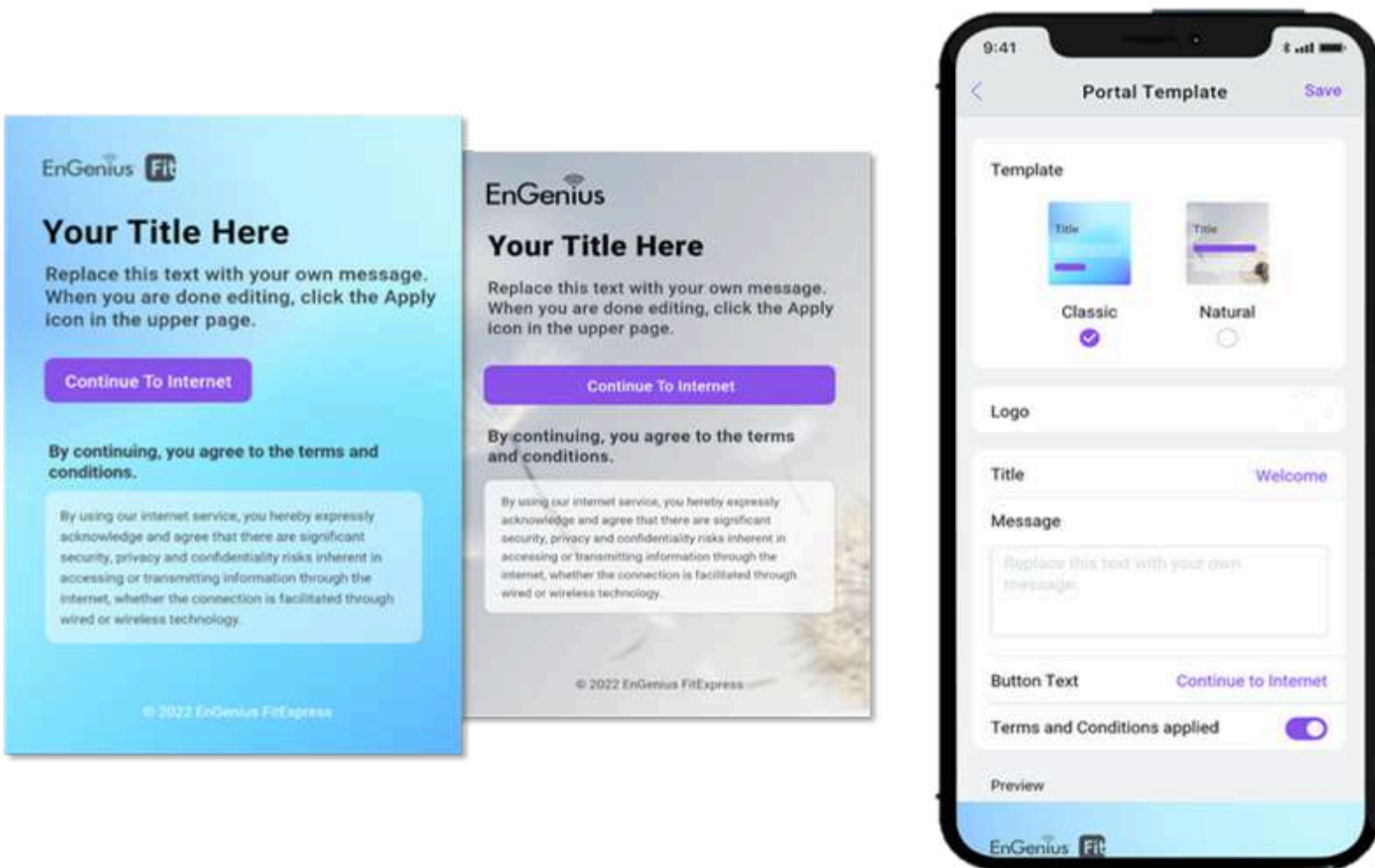
Secure Your Wi-Fi with Client Access Control

Block suspicious wireless clients for the entire network or specific Wi-Fi with just a few clicks.
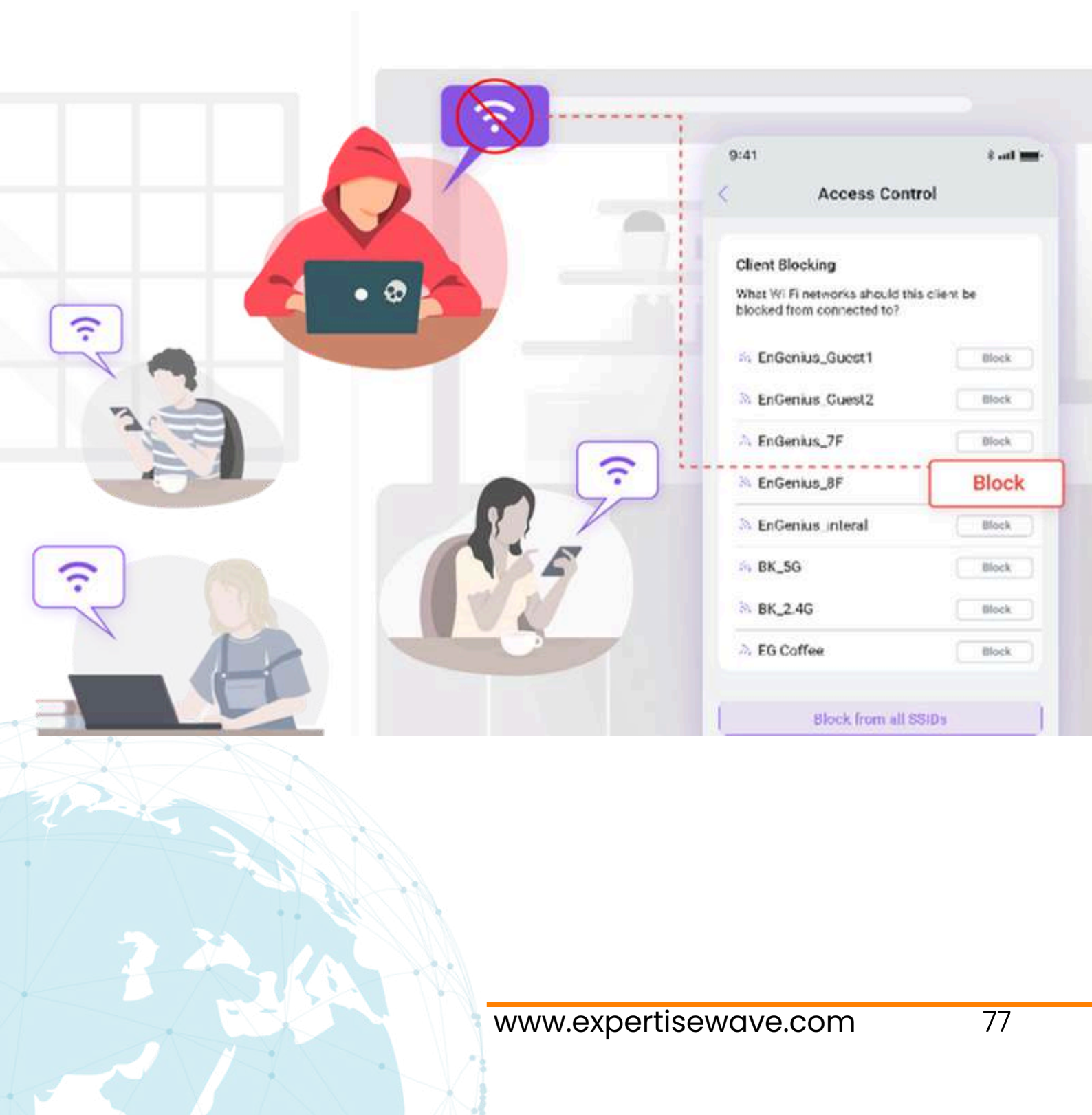
Stay Informed with Network Status and Alerts

Obtain real-time access to device and traffic information within your network, and receive timely alerts of any issues.

Locate the device with alerts and take action accordingly.

8F_Beside Gordon	Edit
● Offline	

⚠ **Alerting**
This device got office
Occurred Today at 1:36 PM
Recommendation Actions ∨

Model Name	Fit6 2x2
Model Number	ECW120
Firmware	v1.0.5
Serial No.	SN1234567890
MAC	AA:BB:CC:11:22:33
Configuration	Up-to-date
Synced up with Cloud	

EnGenius_Taipei

⚠ Attention Required

⊕ ACCESS POINT	⊏⊐ SWITCH
● 6	● 6 ● 4

⅍ WI-FI	⅍ VLAN	⬚ CLIENT
6	4	20

All SSIDs ∨

— Upload   — Download   — Client

Traffic [M]

Top-N p t   (6 hours) (12 h) (Day)

Most usage	↓ 5.3
Access °	Total ↑ 396.23MB

Find the most usage AP and Wi-Fi Network

Most usage Wi-Fi		↓ 5.32MB
	Total	↑ 396.23MB
⅍ 8F_Beside Gordon	56.2%	↓ 6.18MB ↑ 390.89MB >
⅍ 8F_Beside Sunny	56.2%	↓ 6.18MB ↑ 390.89MB >
⅍ 8F_806_Office	56.2%	↓ 6.18MB ↑ 390.89MB >

Most usage Access Points		↓ 5.32MB
	Total	↑ 396.23MB
8F_Beside Gordon	56.2%	↓ 6.18MB ↑ 390.89MB >
8F_Beside Sunny	56.2%	↓ 6.18MB ↑ 390.89MB >
8F_806_Office	56.2%	↓ 6.18MB ↑ 390.89MB >
8F_Back Office	56.2%	↓ 6.18MB ↑ 390.89MB >
8F_meetingRoom	56.2%	↓ 6.18MB ↑ 390.89MB >

More

In-depth Device Information at Your Fingertips

Access information about a specific device at a glance and drill into more details whenever necessary.

Real-time Switch Port Status & PoE Information
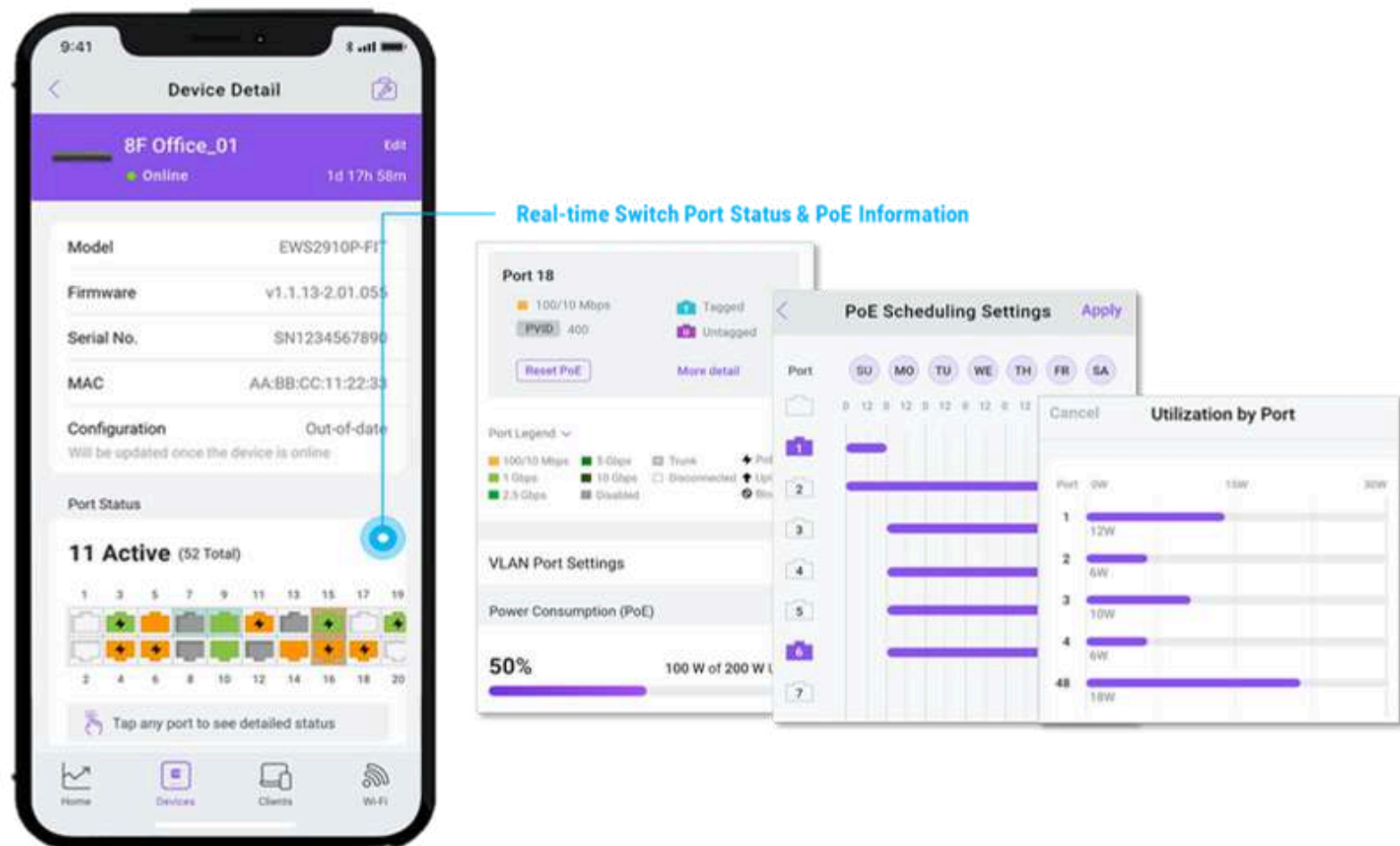
Effortless Troubleshootingwith Visualized Tools

Visual diagnostic tools are readily available whenever a problematic device is detected.

Port Activity

1	3	5	7	9	11	13	15	17
2	4	6	8	10	12	14	16	18

☐ Disconnected   ■ Disabled

⟳ Test

Last Updated 2021/12/05

Port	1 - 2	3 - 4	5 - 6	7 - 8
1	✓	✓	✓	✓
3	✓	✓	✓	✓
5	OPEN	OPEN	OPEN	OPEN
10	Undefined	Undefined	Undefined	Undefined

Connectivity Test

Ping   Add

G Google	~~~	2.29 ms
F Facebook	~~~	2.14 ms
Twitter	~~~	141.00 ms
⊕ AP_office	~~~	2.32 ms

Clients on Switch

Refresh

Port ↓	MAC Address	VLAN
1	00:02:6F:00:00:01	8
1	00:02:6F:00:00:01	28
1	00:02:6F:00:00:01	32
1	00:02:6F:00:00:01	99
		13
		26

Cable Diagnostic

1	3	5	7	9	11	13	15	17
2	4	6	8	10	12	14	16	18

Port Legend ⌄

■ 100/10 Mbps   ■ 5 Gbps   ☐ Trunk   ◆ PoE
■ 1 Gbps   ■ 10 Gbps   ☐ Disconnected   ↑ Uplink
■ 2.5 Gbps   ■ Disabled   ⊘ Blocked

Port 1

↓ 1.68K   ↑ 18.31K

FitController Highlights

On-premises Appliance with Built-in Enterprise-level Features

Plug and Play

PoE without additional configurations and connections.

No Extra installation

built-in network management system without software installation

Professional and Scalable

Business-grade features for deploying, monitoring and managing.

Quick Installation Without Complex Preliminary Settings

The plug & play FitController simplifies on-site network management with built-in software. No need for a computer or server, no extra installation, and no complicated configuration. The group configuration will make your devices onboarding in minutes.
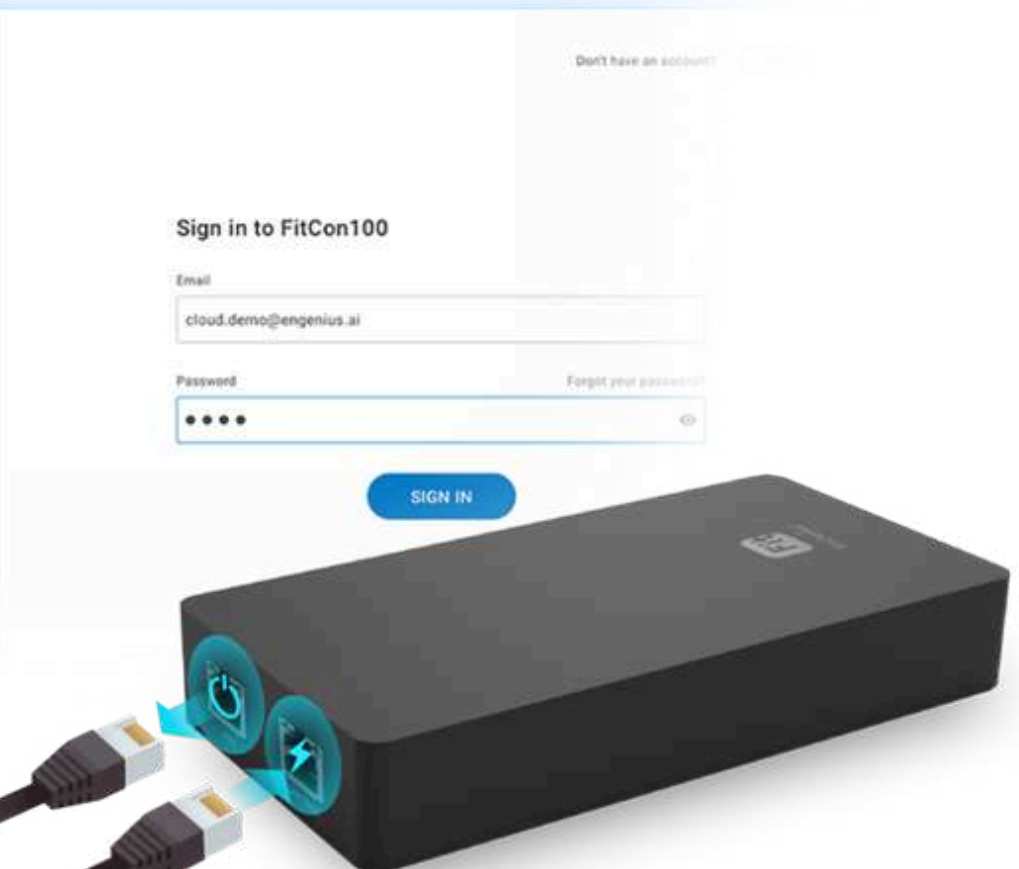
Greater Autonomy and Data Security

Fitcontroller supports local Storage and Control packets are all encrypted through the secure tunnel, allowing businesses to use these features securely while maintaining autonomy and data privacy.
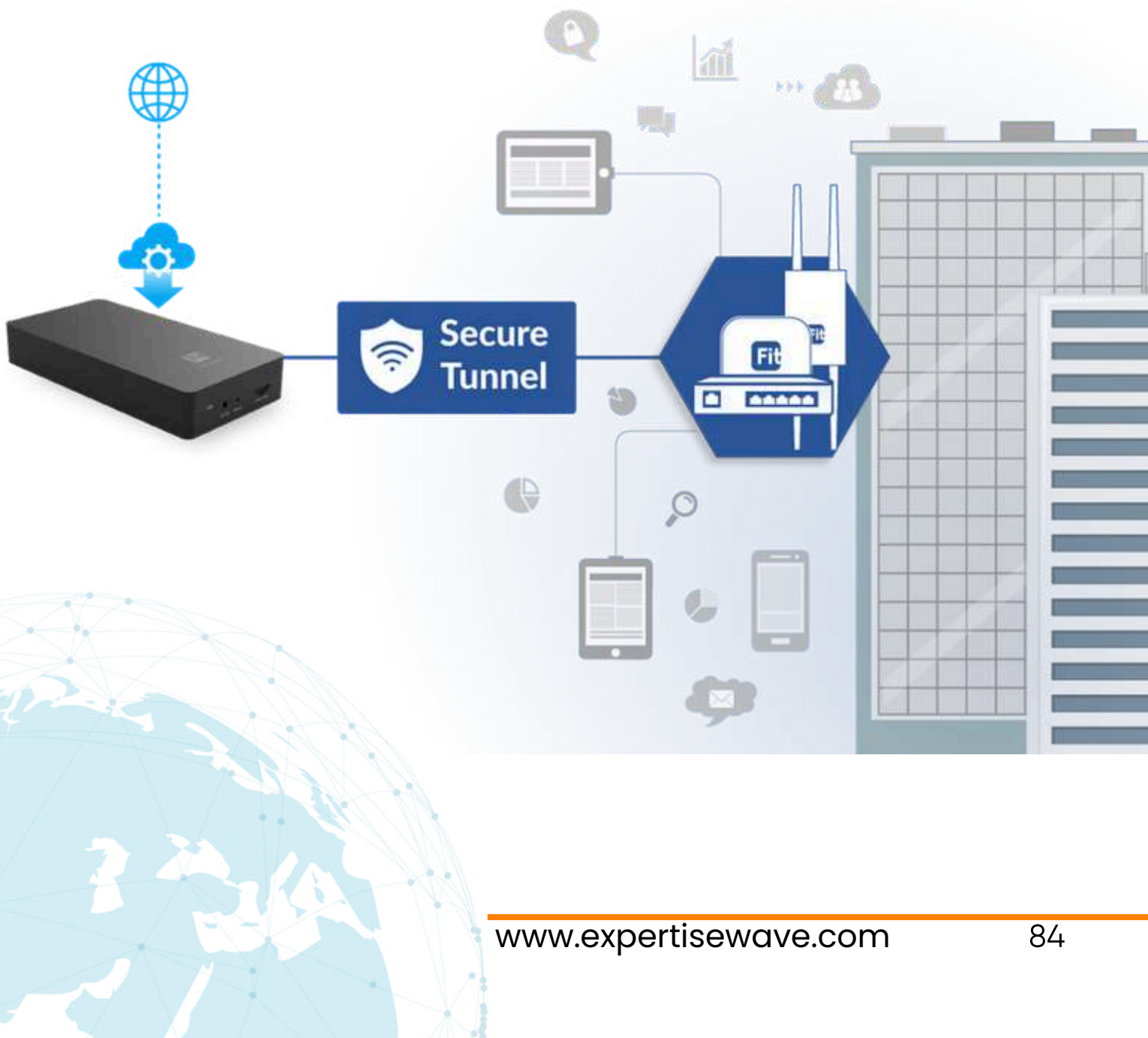
Central Management of Distributed Networks

FitController provides a central place to monitor distributed networks. You can manage devices hierarchically by a multi-layered group of networks and monitor networks based on deployment locations or business setups.
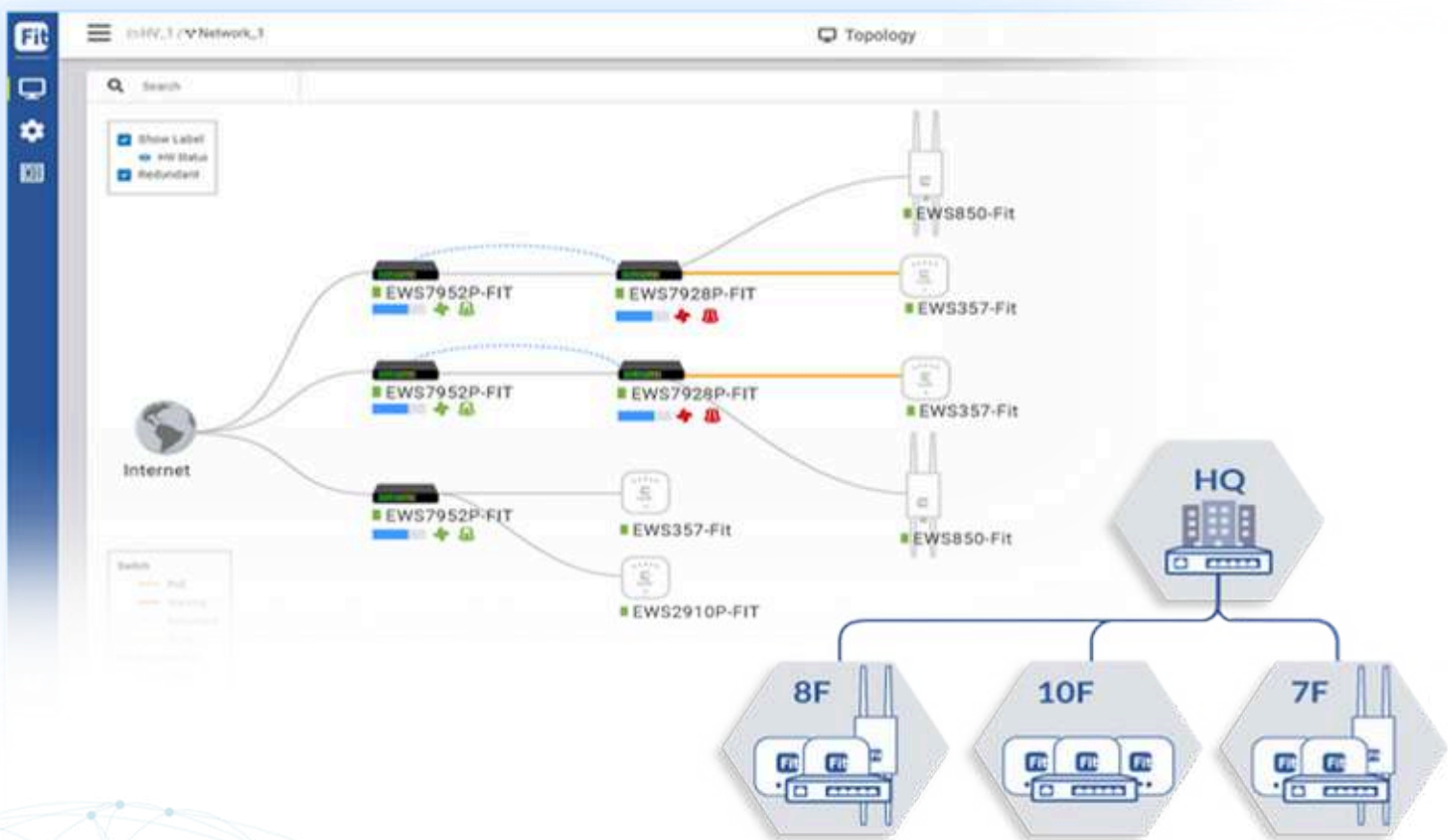
Manage Your Network with Hierarchy View

Use a multi-layered group of networks to manage and monitor networks based on deployment locations or business setups.
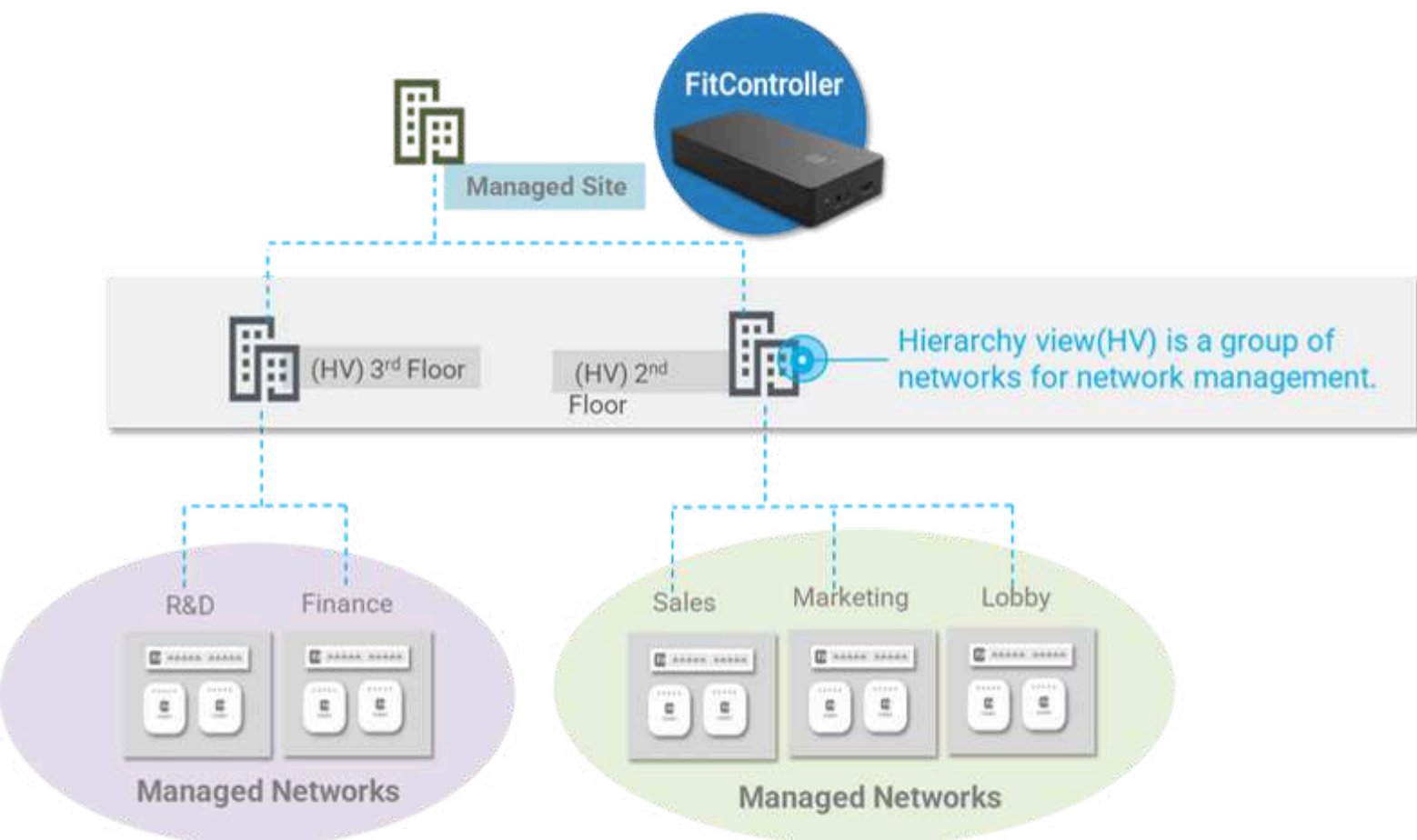
Multi-tenant Design with Roles and Privileges

G Assign users with different roles and privileges to manage your company's network and conform to management policies.
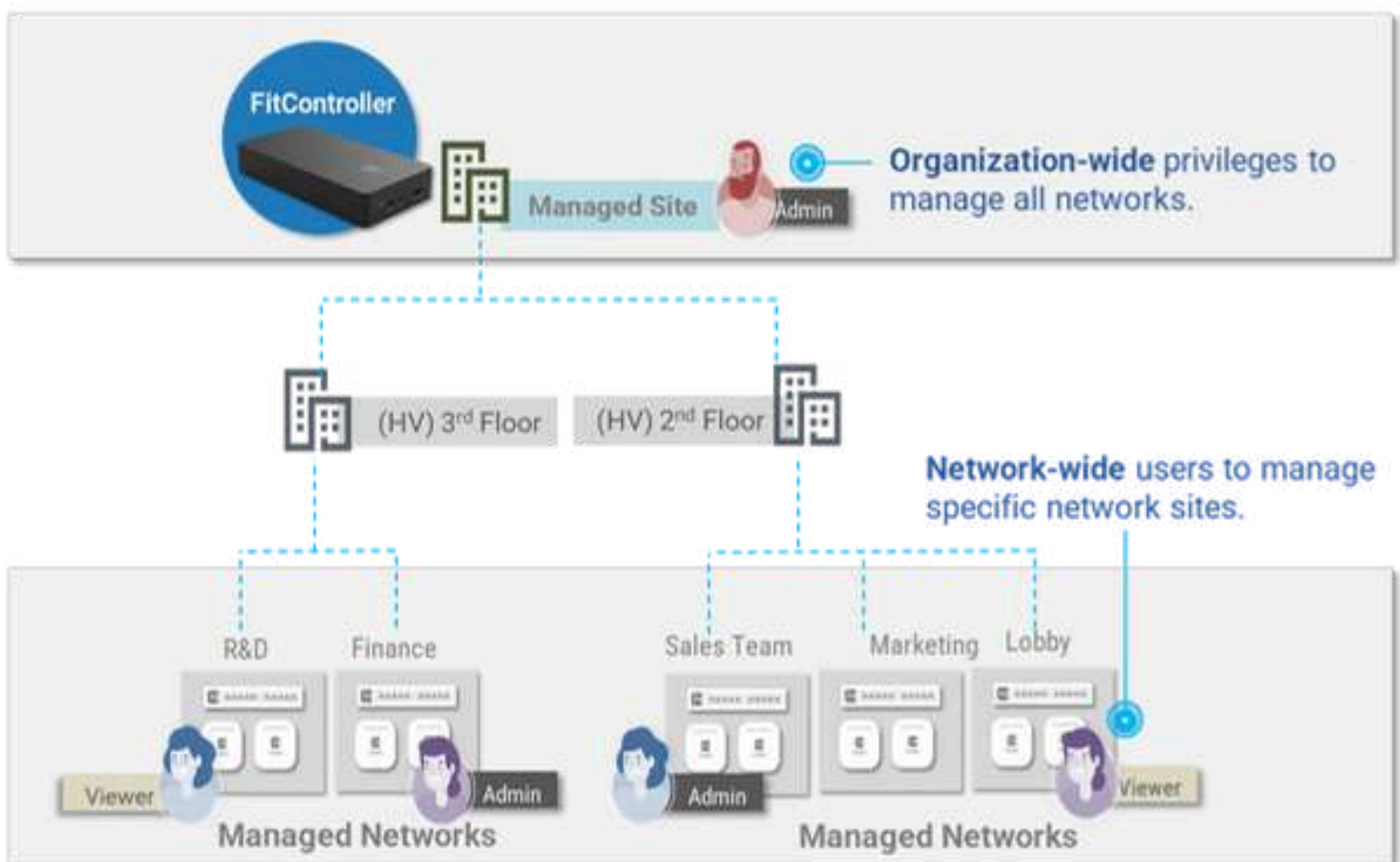
Network Health and Dashboard

Holistic assessments of real-time network health allow you to respond quickly to network issues.

Product detail page of Switch

▲ Real-time quick view of AP
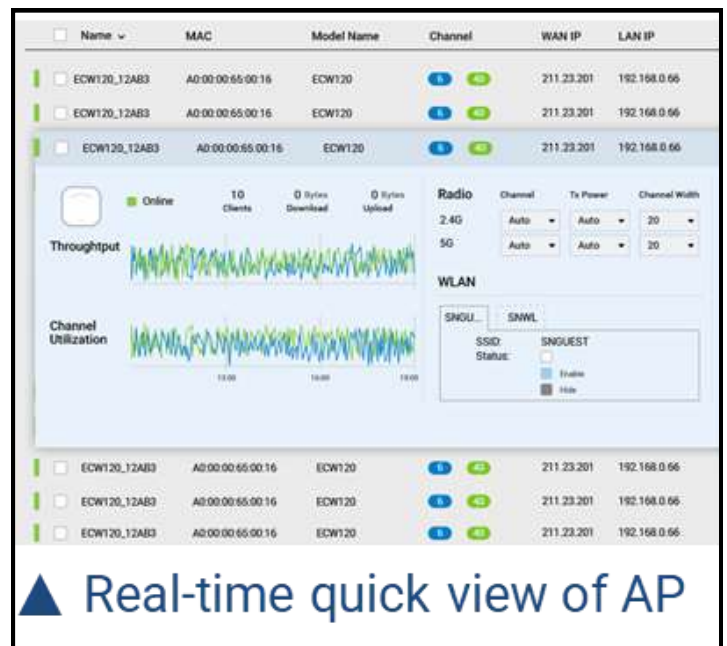
FitCon100 Remote Access

On-premises network management enables administrators to manage networks through the cloud, allowing remote access of multiple networks from a single portal.

FitXpress Web

FitController

FitCon100 (A)

FitController

FitCon100 (B)

Remotely access the FitCon100 from any location

R&D   Finance

Sales Team   Marketing   Lobby

Managed Networks

Managed Networks

Fit Product Offerings

	EWS356-FIT	EWS357-FIT	EWS377-FIT	EWS850-FIT
Wi-Fi 6	2x2 AX 3000	2x2 AX1800	4x4 AX 3600	2x2 AX 1800 (Outdoor)
	802.3af	802.3at		

EnGenius Fit Network Switches

Gbps	EWS2910FP-FIT	EWS7928P-FIT	EWS7952FP-FIT
	2x SFP 802.3af (110W)	4x SFP+ 802.3at(240W)	4x SFP+ 802.3 at(740W)
	EWS2910P-FIT	**EWS7928FP-FIT**	**EWS7952P-FIT**
	2x SFP 802.3af (55W)	4x SFP+ 802.3at(410W)	4x SFP+ 802.3 at(410W)
	8-port	24-port	48-port

Appendix

Cloud-managed Access Points Detailed Specs

	Indoor				Outdoor		
	Wi-Fi 6	Wi-Fi 6E	Wi-Fi 7	Wi-Fi 7	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6
Model Name	Cloud6 4x4 S	Cloud6E 4x4x4	Cloud7 2x2x2	Cloud6E 4x4x4	Cloud5 2x2 Outdoor	Cloud6 2x2 Outdoor	Cloud6 4x4 Outdoor
Model Number	ECW230S	ECW336	ECW526	ECW536	ECW160	ECW260	ECW270
Wi-Fi Standard	Wi-Fi 6 (11ax)	Wi-Fi 6E (11ax)	Wi-Fi 7(11be)	Wi-Fi 7 (11be)	11ac Wave 2	Wi-Fi 6 (11ax)	Wi-Fi 6 (11ax)
Frequency	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz & 6 GHz	2.4 GHz & 5 GHz & 6 GHz	2.4 GHz & 5 GHz & 6 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5GHz	2.4 GHz & 5GHz
Data Rate (2.4 GHz)	1200 Mbps	1,200 Mbps	700 Mbps	1,400 Mbps	400 Mbps	600 Mbps	1200 Mbps
Data Rate (5 GHz)	2400 Mbps	2,400 Mbps	2,900 Mbps	5,800 Mbps	867 Mbps	1200 Mbps	2400 Mbps
Data Rate (6 GHz)	-	4,800 Mbps	5,800 Mbps	11,600 Mbps	-	-	-
Radio Chains	4 × 4:4	4 × 4:4	2 × 2:2	4 × 4:4	2 × 2:2	2 × 2:2	4 x 4:4
Tx Power (2.4 GHz)	23 dBm	23 dBm	25 dBm	25 dBm	23 dBm	23 dBm	24 dBm
Tx Power (5 GHz)	23 dBm	23 dBm	24 dBm	24 dBm	23 dBm	25 dBm	24 dBm
Tx Power (6 GHz)	-	23 dBm	24 dBm	24 dBm	-	-	-
Antennas (2.4 GHz)	4 x 5 dBi Omni	4 x 5 dBi Omni	2 x 5 dBi Omni	4 x 5 dBi Omni	2 x 5 dBi External Omni	2 x 5 dBi External Omni	4 x 5 dBi External Omni
Antennas (5 GHz)	4 x 6 dBi Omni	4 x 6 dBi Omni	2 x 6 dBi Omni	4 x 6 dBi Omni	2 x 5 dBi External Omni	2 x 5 dBi External Omni	4 x 7 dBi External Omni
Antennas (6 GHz)	-	4 x 5 dBi Omni	2 x 6 dBi Omni	4 x 5 dBi Omni	-	-	-
PoE Standard	802.3at	802.3at	802.3at	802.3bt	802.3af/at	802.3af/at	802.3at/bt
Scanning Radio	●	-	-	-	-	-	-
BLE	●	-	-	-	-	-	-
Power Consumption (Peak)	19.5W	22.5W	18W	38W	12.6W	15.9W	46W
Ethernet Port	1x 2.5GE PoE+ port	1x 5GE PoE+ port	1x 10GE PoE+port	1x 10GE PoE++port 1x 10GE port	1x GE PoE+ port	1x 2.5GE PoE+ port	1x 2.5GE PoE++ port 1x GE PSE Out port
Mounting	Wall/ Ceilling	Wall/ Ceiling	Wall/ Ceiling	Wall/ Ceiling	Wall/ Pole	Wall/ Pole	Wall/Pole
IP Rating	N/A	N/A	N/A	N/A	IP67	IP67	IP68
Dimensions	205 x 205 x 33 mm	205 x 205 x 33 mm	190 x 190 x 39.5 mm	230 x 230 x 37mm	112 x 173 x 30 mm	124 x 190 x 52.5 mm	218 x 285 x 53 mm
Mesh Technology	●	●	●	●	●	●	●
Mobile app (Cloud To-Go)	●	●	●	●	●	●	●

Cloud-managed Access Points Detailed Specs

	Indoor					
			Wi-Fi 6	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6
Model Name	Cloud5 2x2	Cloud5 4x4	Cloud6 2x2 Wallplate	Cloud6 2x2	Cloud6 2x2 S	Cloud6 4x4
Model Number	ECW120	ECW130	ECW215	ECW220	ECW220S	ECW230
Wi-Fi Standard	11ac Wave 2	11ac Wave 2	Wi-Fi 6 (11ax)	Wi-Fi 6 (11ax)	Wi-Fi 6 (11ax)	Wi-Fi 6 (11ax)
Frequency	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz
Data Rate (2.4 GHz)	400 Mbps	800 Mbps	600 Mbps	600 Mbps	600 Mbps	1200 Mbps
Data Rate (5 GHz)	867 Mbps	1800 Mbps	1200 Mbps	1200 Mbps	1200 Mbps	2400 Mbps
Data Rate (6 GHz)	-	-	-	-	-	-
Radio Chains	2 × 2:2	4 × 4:4	2 × 2:2	2 × 2:2	2 × 2:2	4 × 4:4
Tx Power (2.4 GHz)	23 dBm	25 dBm	20 dBm	22 dBm	22 dBm	23 dBm
Tx Power (5 GHz)	23 dBm	24 dBm	20 dBm	22 dBm	22 dBm	23 dBm
Tx Power (6 GHz)	-	-	-	-	-	-
Antennas (2.4 GHz)	2 x 5 dBi Omni	2 x 4 dBi Omni	2 x 4 dBi Omni	2 x 4 dBi Omni	2 x 4 dBi Omni	4 x 5 dBi Omni
Antennas (5 GHz)	2 x 5 dBi Omni	2 x 6 dBi Omni	2 x 5 dBi Omni	2 x 5 dBi Omni	2 x 5 dBi Omni	4 x 6 dBi Omni
Antennas (6 GHz)	-	-	-	-	-	-
PoE Standard	802.3af	802.3at	802.3af/at	802.3af/at	802.3af/at	802.3at
Scanning Radio	-	-	-	-	●	-
BLE	-	-	-	-	●	-
Power Consumption (Peak)	12W	19.1W	14.2W	12.8W	12.8W	19.5W
Ethernet Port	1x GE PoE port	1x GE PoE+port 1x GE port	2x GE PoE+ ports 1x GE PSE Out port	1x GE PoE port	1x GE PoE+ port	1x 2.5GE PoE+ port
Mounting	Wall/ Ceilling	Wall/Ceilling	Wall	Wall/ Ceilling	Wall/ Ceilling	Wall/ Ceilling
IP Rating	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions	161 x 161 x 41 mm	215 x 215 x 56mm	140 x 90 x 40 mm	160 x 160 x 33 mm	160 x 160 x 33 mm	205 x 205 x 33 mm
Mesh Technology	●	●	●	●	●	●
Mobile app (Cloud To-Go)	●	●	●	●	●	●

Gigabit Switch								
Model Name	L2Plus 8 PoE	L2Plus 8 Full PoE	L2Plus 24	–	L2Plus 24 PoE	L2Plus 24 Full PoE	L2Plus 48	L2Plus 48 PoE	L2Plus 48 Full PoE
Model Number	ECS1008P	ECS1112FP	ECS1528T	ECS1528	ECS1528P	ECS1528FP	ECS1552	ECS1552P	ECS1552FP
Switch Class	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+
Gigabit Ethernet Ports	8	10	24	24	24	24	48	48	48
Multi-Gigabit Ethernet Ports	-	-	-	-	-	-	-	-	-
SFP Ports	-	2	-	-	-	-	-	-	-
SFP+ Ports	-	-	4	4	4	4	4	4	4
RJ45 Console Port	-	●	●	●	●	●	●	●	●
Form Factor	9.45" (desktop)	13" 1U	13" 1U	19" 1U	19" 1U	19" 1U	19" 1U	19" 1U	19" 1U
Power-over-Ethernet	802.3af	802.3af/at	-	-	802.3af/at	802.3af/at	-	802.3af/at	802.3af/at
Total PoE Budget	55W	130W	-	-	240w	410w	-	410w	740w
PoE Capable Ports	Ports 1-8	Ports 1-8	-	-	Ports 1-24	Ports 1-24	-	Ports 1-48	Ports 1-48
Switching Capacity	16Gbps	24Gbps	128Gbps	128Gbps	128Gbps	128Gbps	176Gbps	176Gbps	176Gbps
Packet Forwarding Rate (Mpps)	11.904Mpps	17.856Mpps	95.23Mpps	95.23Mpps	95.23Mpps	95.23Mpps	130.95Mpps	130.95Mpps	130.95Mpps
MAC Address Table	8K	8K	16K	16K	16K	16K	32K	32K	32K
Packet Buffer Memory	512KB	512KB	1.5MB	1.5MB	1.5MB	1.5MB	2MB	2MB	2MB
Full load Power consumption	62.05 Watts	152.8 Watts	24.41 Watts	24.41 Watts	297.6 Watts	500.46 Watts	43.92 Watts	476.3 Watts	885 Watts
*PoE Extended Mode	●	●	-	-	●	●	-	●	●
PD Lifeguard	●	●	-	-	●	●	-	●	●
Continuous PoE Power	●	●	-	-	●	●	-	●	●
Dimension	240mm x 105mm x 27mm	330mm x 230mm x 44mm	330mm x 230mm x 44mm	440mm x 260mm x 44mm	440mm x 260mm x 44mm	440mm x 260mm x 44mm	440mm x 260mm x 44mm	440mm x 310mm x 44mm	440mm x 310mm x 44mm

	Multi-G Switch							
Model Name	MGPlus 8 Full PoE	MGPlus 8	MGPlus 8 Full PoE	MGPlus 24 Full PoE	MGPlus 48 Full PoE	Aggregate 8XG	Aggregate 8XG Full PoE	Aggregate 12
Model Number	ECS2510FP	ECS2512	ECS2512FP	ECS2528FP	ECS2552FP	ECS5512	ECS5512FP	ECS5512F
Switch Class	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+
Gigabit Ethernet Ports	-	-	-	16	32	-	-	-
Multi-Gigabit Ethernet Ports	8x2.5G	8x2.5G	8x2.5G	8x2.5G	16x2.5G	8 x 10G	8 x 10G	-
SFP Ports	-	-	-	-	-	-	-	-
SFP+ Ports	2	4	4	4	4	4	4	12
RJ45 Console Port	●	●	●	●	●	●	●	●
Form Factor	13" 1U	13" 1U	13" 1U	19" 1U	19" 1U	13" 1U	13" 1U	Half Rack
Power-over-Ethernet	802.3af/at	-	802.3af/at/bt	802.3af/at	802.3af/at	-	802.3af/at/bt	-
Total PoE Budget	240w	-	240w	410w	740w	-	420w	-
PoE Capable Ports	Ports 1-8	-	Ports 1-8	Ports 1-24	Ports 1-48	-	Ports 1-8	-
Switching Capacity	80Gbps	120Gbps	120Gbps	152Gbps	224Gbps	240Gbps	240Gbps	240Gbps
Packet Forwarding Rate (Mpps)	59.52 Mpps	89.29 Mpps	89.29 Mpps	113.10 Mpps	166.67 Mpps	178.57 Mpps	178.57 Mpps	178.57 Mpps
MAC Address Table	16k	16k	16k	16k	32k	32k	32k	32k
Packet Buffer Memory	512KB	512KB	512KB	1.5MB	2MB	2MB	2MB	2MB
Full load Power consumption	270.47 Watts	23.52 Watts	299 Watts	499.85 Watts	913 Watts	29.22 Watts	506.7 Watts	43.4 Watts
*PoE Extended Mode	-	-	-	●	●	-	-	-
PD Lifeguard	-	-	-	●	●	-	-	-
Continuous PoE Power	-	-	-	●	●	-	-	-
Dimension	330mm x 230mm x 44mm	330mm x 230mm x 44mm	330mm x 230mm x 44mm	330mm x 260mm x 44mm	330mm x 310mm x 44mm	330mm x 230mm x 44mm	330mm x 230mm x 44mm	330mm x 230mm x 44mm

SD-WAN Gateway			
Model Name	Gateway5 4mG	Gateway6 4mG	Gateway6 8mG 2SFP+
Model Number	ESG510	ESG610	ESG620
Processor	Quad Core	Quad Core	Quad Core
Operating Frequency	@1.6GHz	@2.2GHz	@2.2GHz
Memory	4GB	8GB	8GB
Flash Storage	8GB	8GB	16GB
RJ-45 Interface	4 x 2.5G	4 x 2.5G	8 x 2.5G
SFP interface	-	-	2 x 10G
PoE ports	1	1	4
PoE Standard	802.3 af/at	802.3 af/at	802.3 af/at
I/O Interfaces	1 x RJ-45 console/1 x USB 3.0	1 x RJ-45 console/1 x USB 3.0	1 x RJ-45 console/1 x USB 3.0
Mounting Method	Wall mount	Wall mount	Rack mount
Firewall (SPI throughput)	4G	6.7G(**)	9.5G(**)
VPN throughput	970M	1.7G(**)	1.7G(**)
Max. Concurrent VPN Tunnels	200	300(**)	300(**)
Max. Concurrent VPN Users*	250	500(**)	500(**)
Max. TCP Concurrent Sessions	1,000,000	1,250,000 (**)	1,500,000 (**)
Max VLAN	96	256(**)	256(**)
Power	54V/1.2A	54V/1.2A	300w internal power
Operation Temperature	0°C to 40°C	0°C to 40°C	0°C to 50°C
Humidity (non-condensing)	5 to 95% non-condensing	5 to 95% non-condensing	5 to 95% non-condensing
Dimensions	210 x 179.5 x 35 mm	210 x 179.5 x 35 mm	330 x 230 x 44 mm

PDU

Model Name	PDU 6P 12A 100-120V	PDU 14P 12A 100-120V
Model Number	ECP106	ECP214
Dimensions	440 x 44 x 70 mm	440 x 88 x 88 mm
Weight	1035 g	2430 g
Enclosure Material	AL6063	SECC
Networking Interfaces	10/100/1000 BASE-T	10/100/1000 BASE-T
Management Interface	Ethernet	Ethernet
Power Output	NEMA-5-15R, 120V AC, 15A max.,60Hz	NEMA-5-15R, 120V AC, 15A max.,60Hz
Power Method	100-120VAC, 12A max.,50/60Hz	100-120VAC, 12A max.,50/60Hz
Max. Power Consumption	1440W for 120V AC	1440W for 120V AC
Buttons	-Factory Reset -Circuit Breaker -Outlet Power Button -LCD Control Buttons	-Factory Reset -Circuit Breaker -Outlet Power Button -LCD Control Buttons
Protection	Surge Protection Gounded Protection	Surge Protection Gounded Protection
LCM Display	1.3 RGB display, Non-touch Firmware Upgradable	1.3 RGB display, Non-touch Firmware Upgradable
Operating Temperature	Operating: 0°C ~ +50°C	Operating: 0°C ~ +50°C
Operating Humidity	Humidity 5% ~ 95% RH Non-condensing	Humidity 5% ~ 95% RH Non-condensing

Switch Extender

Model Name	Switch Extender 4 PoE	Switch Extender 4GE 1 SFP
Model Number	EXT1105P	EXT1106
SW Type	Gigabit Switch	Gigabit Switch
Feature labels (product image)	PD Switch	PD Switch
Switch Class	Switch Extender	Switch Extender
Gigabit Ethernet Ports	5	5
Multi-Gigabit Ethernet Ports	-	-
SFP Ports	-	1
SFP+ Ports	-	-
RJ45 Console Ports	-	-
Form Factor	6.7" (desktop)	4.92" (desktop)
Power-over-Ethernet	802.3 af/at	-
Total PoE Budget	Up to 60w	-
PoE Capable Ports	Ports 1-4	-
Switching Capacity	10Gbps	12Gbps
Packet Forwarding Rate	7.44 Mpps	8.93 Mpps
MAC Address Table	8k	8k
Packet Buffer Memory	512KB	512KB
Full load Power consumption	69.36 Watts	4.57 Watts

Features	Basic (free)	Pro (Premium)
Statistic Data Stored	3 days	30 days
Team Members	10 users	Unlimited
Clone Network	-	v
Cloud Radius and Voucher Service	100 entries	10,000 entries
Alert Notification	Online/offline	v
Backup & Restore	-	v
Client List Export (.csv)	-	v
API Integration (3rd party)	-	v
Scheduling Report System	1 report	v
Customer Support	Limited support	Priority support with online tools
Access Points		
Client Timeline	-	v
Wi-Fi Floor Plan Heatmap	v	v
Wi-Fi Floor (Obstacle & Virtual AP)	-	v
Dynamic VLAN	-	v
myPSK (dynamic/private PSK)	-	v
VLAN Pooling	-	v
Broadcast Suppression	-	v
Facebook Wi-Fi 2.0	v	v
Auto VPN (with ESG)	-	v
AD / LDAP / Google Authentication	-	v
Live Diagnostic Tools	Limited	v
Live Client List	-	v
RF Spectrum *	-	v
WIDS / (WIPS) *	-	v
Zero-Wait DFS *	v	v

Cloud Freemium Licensing Features – Basic vs Pro

Features	Basic (free)	Pro (Premium)
Statistic Data Stored	3 days	30 days
Team Members	10 users	Unlimited
Clone Network	-	v
Cloud Radius and Voucher Service	100 entries	10,000 entries
Alert Notification	Online/offline	v
Backup & Restore	-	v
Client List Export (.csv)	-	v
API Integration (3rd party)	-	v
Scheduling Report System	1 report	v
Customer Support	Limited support	Priority support with online tools
Access Points		
Client Timeline	-	v
Wi-Fi Floor Plan Heatmap	v	v
Wi-Fi Floor (Obstacle & Virtual AP)	-	v
Dynamic VLAN	-	v
myPSK (dynamic/private PSK)	-	v
VLAN Pooling	-	v
Broadcast Suppression	-	v
Facebook Wi-Fi 2.0	v	v
Auto VPN (with ESG)	-	v
AD / LDAP / Google Authentication	-	v
Live Diagnostic Tools	Limited	v
Live Client List	-	v
RF Spectrum *	-	v
WIDS / (WIPS) *	-	v
Zero-Wait DFS *	v	v

EnGenius Fit Access Points Detailed Specs

Access Points	Indoor				Outdoor
	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6
Model Name	Fit6 2x2 Lite	Fit6 4x4 Lite	Fit6 2x2	Fit6 4x4	Fit6 2x2 Outdoor
Model Number	EWS356-FIT	EWS276-FIT	EWS357-FIT	EWS377-FIT	EWS850-FIT
Wi-Fi Standard	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax
Radio	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz
Max. Data Rate (2.4 GHz)	574 Mbps	1,148 Mbps	574 Mbps	1,148 Mbps	574 Mbps
Max. Data Rate (5 GHz)	2,400 Mbps	2,400 Mbps	1,200 Mbps	2,400 Mbps	1,200 Mbps
Radio Chains	2 x 2:2	4 x 4:4	2 x 2:2	4 x 4:4	2 x 2:2
Transmit Power on (2.4 GHz)	21 dBm	23 dBm	22 dBm	23 dBm	23 dBm
Transmit Power on (5 GHz)	21 dBm	23 dBm	22 dBm	23 dBm	25 dBm
Antennas (2.4 GHz)	2 x 4 dBi	4 x 5 dBi	2 x 4 dBi	4 x 5 dBi	2 x 5 dBi (SMA-Type)
Antennas (5 GHz)	2 x 5 dBi	4 x 5 dBi	2 x 5 dBi	4 x 6 dBi	2 x 5 dBi (SMA-Type)
Antenna Beamwidth	N/A	N/A	N/A	N/A	360 °
Power-over-Ethernet	802.3af	802.3at	802.3af/at	802.3at	802.3af/at
Ethernet Ports	1x GE Port	1x 2.5GE Port	1x GE Port	1x 2.5GE Port	1x 2.5GE Port
IP Rating	N/A	N/A	N/A	N/A	IP67
Surge Protection	N/A	N/A	N/A	N/A	1KV
ESD Protection	N/A	N/A	N/A	N/A	Contact: 4KV Air: 8 K
Mounting Type	Wall/ Ceiling	Wall/ Ceiling	Wall/ Ceiling	Wall/ Ceiling	Wall/Pole mount
Dimensions	160 x 160 x 30 mm	205 x 205 x 33 mm	160 x 160 x 27 mm	205 x 205 x 33 mm	190x 124 x 47 mm

EnGenius Fit Network Switches Detailed Specs

	Fit Switches					
PoE Switches						
Model Name	FitSwitch 8 PoE	FitSwitch 8 Full PoE	FitSwitch 24 PoE	FitSwitch 24 Full PoE	FitSwitch 48 PoE	FitSwitch 48 Full PoE
Model Number	EWS2910P-FIT	EWS2910FP-FIT	EWS7928P-FIT	EWS7928FP-FIT	EWS7952P-FIT	EWS7952FP-FIT
Switching Class	Layer 2 +	Layer 2 +	Layer 2 +	Layer 2 +	Layer 2 +	Layer 2 +
Gigabit Ethernet Ports	8	8	24	24	48	48
SFP Ports	2	2	4	4	4	4
RJ45 Console Ports	-	-	1	1	1	1
Form Factor	Desktop	Desktop	19"1U	19"1U	19"1U	19"1U
Power-over-Ethernet	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at
PoE Capable Ports	Ports 1-8	Ports 1-8	Ports 1-24	Ports 1-24	Ports 1-48	Ports 1-48
Total PoE Budget	55W	110W	240W	410W	410W	740W
Switching Capacity	20Gbps	20Gbps	56Gbps	56Gbps	104Gbps	104Gbps
Full load Power Consumption	63.72 Watts	119.45 Watts	283.88 Watts	470.5 Watts	430.2Watts	840.8 Watts
Packet Buffer Memory	512KB	512KB	512KB	512KB	1.5MB	1.5MB
Max. Packet Forwarding Rate	14.88Mpps	14.88Mpps	41.664Mpps	41.664Mpps	77.376Mpps	77.376Mpps
MAC Address Table Size	8K	8K	8K	8K	16K	16K
Jumbo frame size	9K	9K	9K	9K	9K	9K
Weight	0.6 kg	0.6 kg	3.6 kg	3.8 kg	6.4 kg	6.4 kg
Dimensions	240mm x 105mm x 27mm	240mm x 105mm x 27mm	440mm x 260mm x 44mm	440mm x 260mm x 44mm	440mm x 310mm x 44mm	440mm x 310mm x 44mm