



EnGenius Cloud

Solution Brochure

One platform. Every device.

EnGenius Cloud is the AI-driven network management platform built for businesses that can't afford downtime. Manage Wi-Fi, switches, cameras, and power from a single interface, across every site.

Why EnGenius Cloud

Trusted by IT teams, MSPs, and multi-site operators worldwide.



Easily manage multiple sites



Precisely debug the networks



Remotely manage device firmware



Cloud-based Unified Management

Predict the Glitch. Prevent the Downtime.

Don't wait for a support ticket to find out your network is lagging. EnGenius Cloud Platform acts as your 24/7 digital assistant, using AI to spot bottlenecks and resolve technical glitches before they impact your business operations. Shift from constant troubleshooting to proactive growth with a cloud that stays two steps ahead.



Quick Deployment



Unified Central Control



AI-Automated Optimization



Actionable Device Health Metrics



The Proactive Foundation for Uninterrupted Business



Serverless

Our cloud-native design handles all backend management, freeing you from the constant hassle of server boundaries, patches, and maintenance.



Instant, Elastic Performance

Every network function scales automatically, ensuring your management tools stay fast and responsive—whether you're adding a few new devices or deploying an entire new branch office.



Guaranteed Proactive Uptime

Rest easy knowing your critical network is backed by a proactive system designed to prevent downtime before it starts, and a 99.99% service-level agreement.

Quick Deployment for Multi-Site Expansion

Don't let new locations drain your team's time. EnGenius Cloud removes the complexity of coordinating different sites, letting you prepare large-scale deployments with the ease of Plug-and-Play Auto-Provisioning. Scale faster without the overhead.



PLANNING SITE

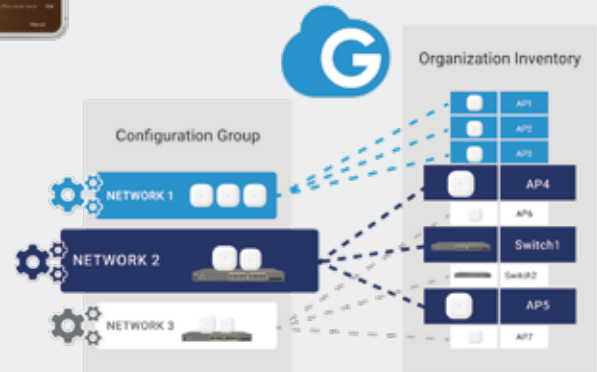
1 Register devices with web or mobile app

Scan a QR code with your device to register it to company inventory on the EnGenius Cloud.



2 Assign devices to network groups

Create networks with predefined configuration profiles for Cloud managed devices under the same network group, and then apply this configuration automatically to new devices



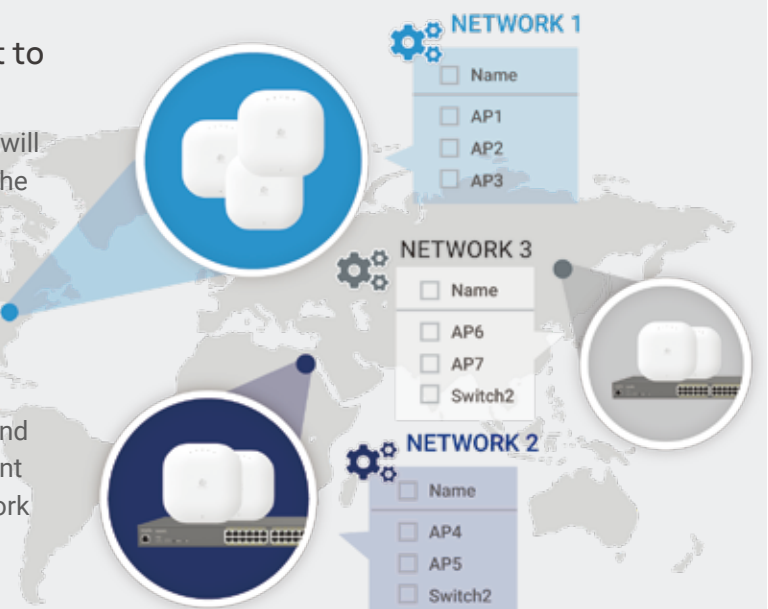
DEPLOYMENT SITE

3 Unbox devices and connect to your network

Once plugged in, EnGenius Cloud will push the proper configuration to the device and work as intended.

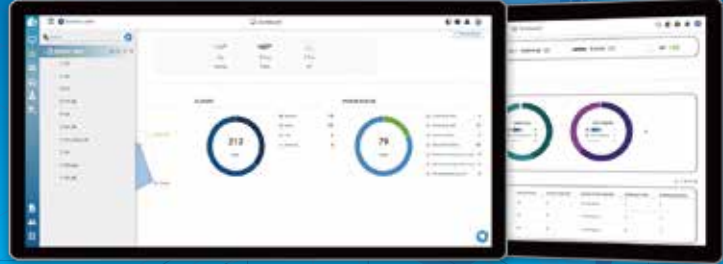
4 Multiple site deployment made easy

With EnGenius Cloud, deploying and managing multiple sites in different timezones and with various network policies is easy.



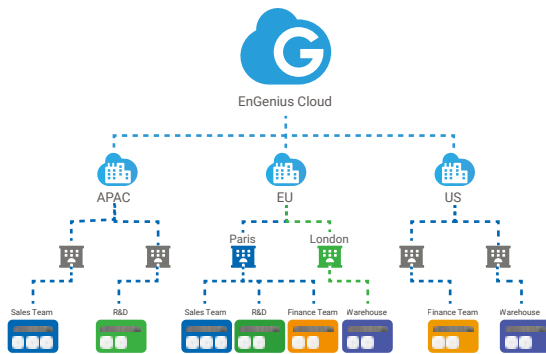
Easy Administration with Unified Control

Stop jumping between disconnected accounts. Oversee every branch, department, and user account across your entire organization through a single pane of glass designed for rapid, large-scale management.



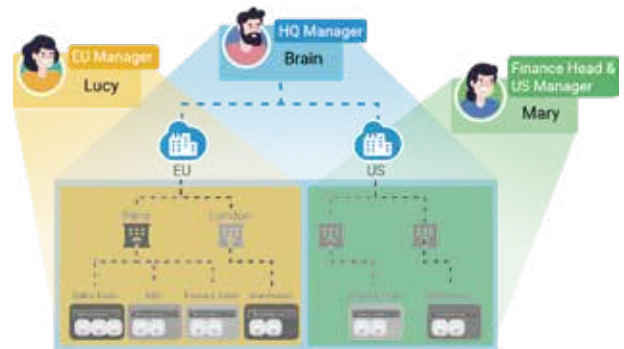
Manage your network with hierarchy view

EnGenius Cloud defines the hierarchy view level as a multilayered group of networks. You can manage and monitor company networks with hierarchy view based on different locations or business setups.



Multi-tenant design with different roles and privileges

Assign different users with roles and privileges to manage your organization's network sites to best fit your business management policy.



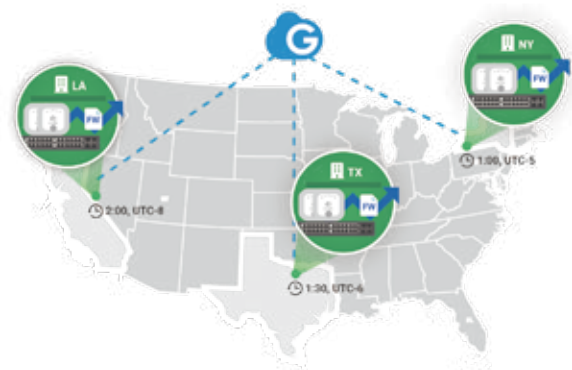
Two factor authentication to secure your account

Add an extra layer of security with the two-step verification to protect users' accounts from attack when signing in.



Scheduled firmware upgrade for multiple sites and networks

It is easy to deploy and manage multiple sites by creating firmware upgrade tasks for different groups of devices based on region, local timezone, and other configurations.

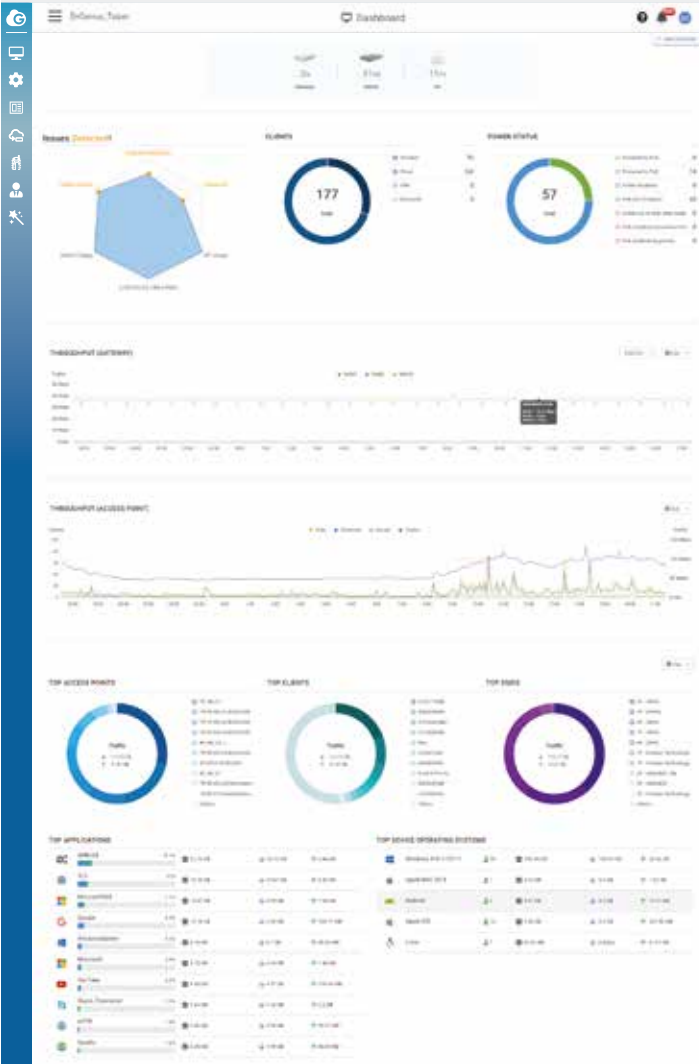


Total Visibility for Zero Blind

Stop wasting hours hunting through logs for invisible bottlenecks that turn into emergencies. EnGenius Cloud provides a clear, real-time map of your entire ecosystem so you can resolve issues before your users ever notice.

Network health at a glance

EnGenius AI is a web-based management platform on EnGenius Cloud that lets you manage your networks from an intuitive central interface. This feature-rich, easy-to-use management tool helps you work more efficiently. Its holistic assessments of real-time network health assist you in pinpointing potential issues and organizing a rapid response.



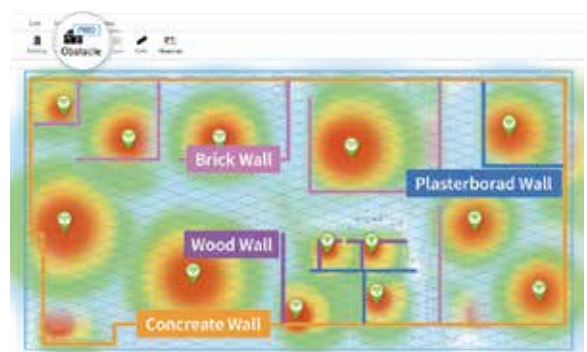
Quickly Identify Potential Issues with Smart Network Insights

Monitor throughput and channel utilization in real-time. Instantly spot issues and take action to optimize performance without delay.

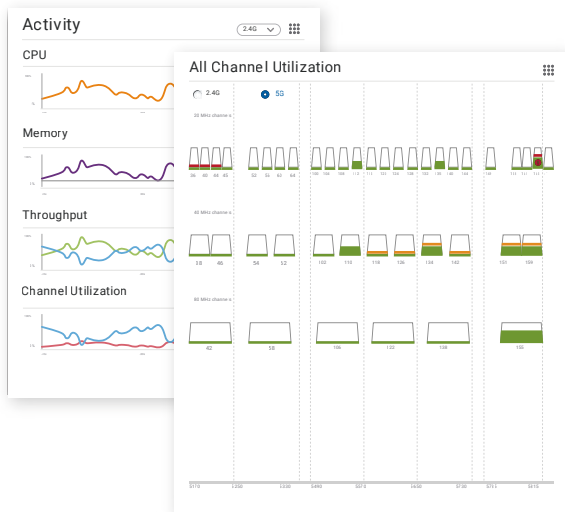


Wi-Fi planner calculates optimal AP placement and signal strength on your floor plan

Upload a floor plan and preview your Wi-Fi coverage in simulated conditions with heatmaps that factor in real-world obstacles such as walls.



* Real environmental effects is available in professional plan.



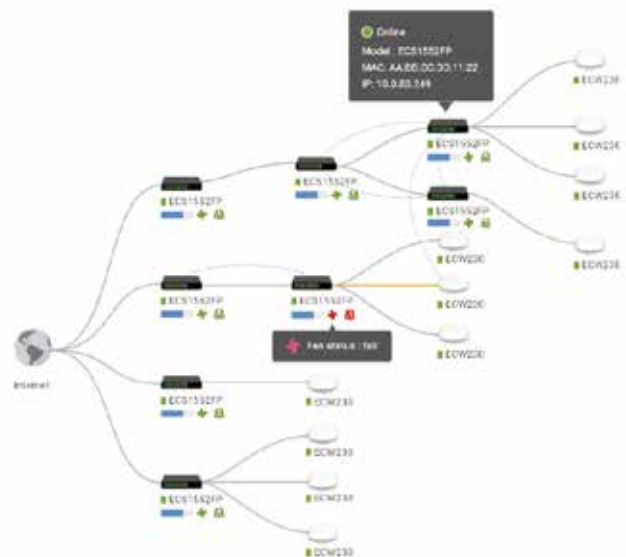
Supervise devices with real-time metrics

EnGenius Cloud provides the capability to display device performance in real-time. It breaks down key performance diagnostics such as CPU, memory, and throughput to determine the root cause of any current network problem.

View the real connections of devices with topology view

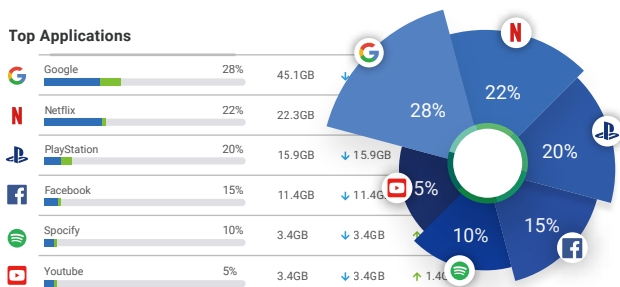
The topology view displays all the devices managed by EnGenius Cloud and the relationships between network devices. You can see the real-time status of Access Points and switches and check the detailed information of PoE status, IP and MAC address, and throughput.

* Third-party devices are visible in professional mode.



Get information about layer 7 applications

Take full control of the applications in service with layer 7 dashboards for ranking and usage information.



Monitor your networks on the go

With the EnGenius Cloud To-Go mobile app, you can always have comprehensive control of cloud-managed Switches, Access Points, and devices no matter where you go.



Diagnostic & Advisory for Proactive Troubleshooting

Stop wasting hours on-site chasing "ghost" network issues that your users can't accurately describe. Pinpoint root causes instantly with pro-grade diagnostics and AI advisory, resolving glitches from your desk before they ever escalate into downtime.



Advanced network diagnostics for optimal performance

EnGenius offers tools like speed tests, ping monitoring, and Pro-level packet capture for efficient troubleshooting and performance analysis, ensuring reliable connectivity.



Secure and temporary support access

EnGenius ensures secure troubleshooting with a passcode system that grants temporary access to your account. This feature allows support teams to diagnose and resolve issues efficiently, with passcodes automatically expiring after a set duration, ensuring your account remains protected at all times.



On-line chat bot with AI support

Manage Your networks effortlessly with the EnGenius cloud interface and AI-powered support, providing quick setup, troubleshooting, and advanced features like SmartCast and Hotspot 2.0.



Tailored solutions for industry-specific

EnGenius Cloud delivers tailored solutions to optimize network efficiency across industries like retail, hospitality, and education. Explore best practices to enhance connectivity and streamline operations.



Cloud Management for Optimizing Performance

Managing a dense network of networking devices shouldn't be a manual struggle. EnGenius Cloud gives you granular control over every device and client connection, ensuring peak performance and seamless security across your entire networking environment.

Quick access to Access Point status

EnGenius Cloud manages all Access Points in a single place. The Access Points list summarizes the most critical current traffic usage data for the network administrator to access quickly.



Master the detailed status of Access Points

Get in-depth information of the SSID, radio, and IP addressing settings for specific Access Point to optimize the network performance according to its policy and have a clear picture of real-time usage, related logs, and connected clients.



User authentication for Wi-Fi access per SSID

EnGenius Cloud offers various authentication methods for different business requirements. You can configure the AAA authentication all on the Cloud or by Customer's RADIUS server, create a guest Wi-Fi with voucher service, or let users log in by linking to their social media account.



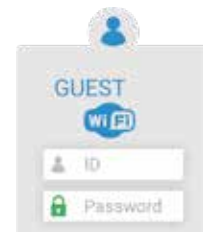
Cloud Authentication

Authentication and authorization on EnGenius Cloud



Custom Radius

Use local radius server for authentication



Voucher Service

Pre-defined access templates and specific portal for front-desk



Customize a splash page for your captive portal

Use the WYSIWYG editor to create a pleasing entrance for your captive portal. You can select one of the available templates and place a logo in your preferred position. The customized captive portal properly guides visitor traffic while delivering important messages to your guests.

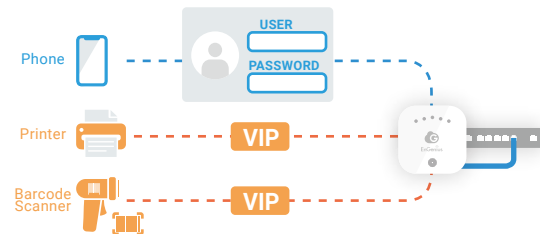
Block suspicious clients from your networks

Rogue client monitoring tools allow you to deny access to your SSID for selected clients.



Give devices VIP permission to join networks and bypass captive portal

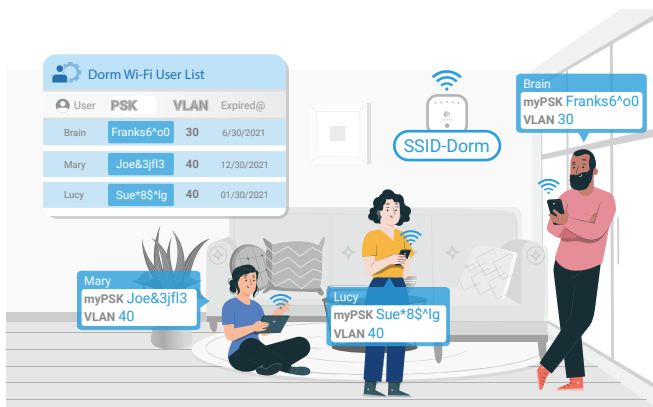
You can skip authentication for specific clients such as barcode scanners or printers with no web-based interface to proceed.



Per-user VLAN **PRO**

User-based VLAN to keep your access privilege within network

Each client can be assigned to a VLAN to access different network resources even under the same SSID and remain the same VLAN across the network, regardless of the SSID with which they are associated. For example, faculty and students accessing the same SSID will be assigned to different VLANs.



myPSK **PRO**

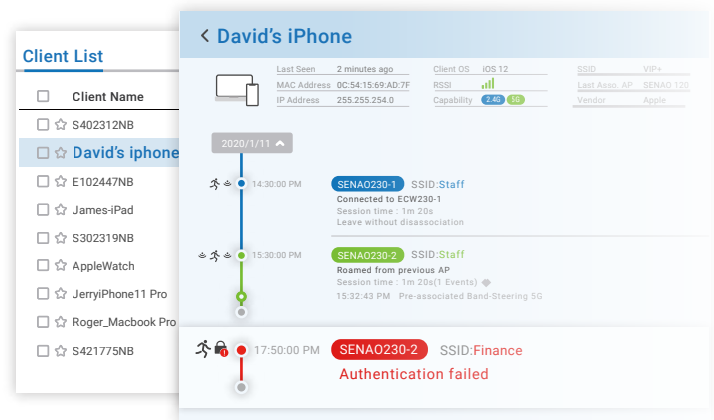
Each user has a unique PSK to access the same Wi-Fi Network

When accessing the same SSID, each tenant will have a unique PSK and be associated with different VLAN tags based on the privilege. In the case of dormitory Wi-Fi management, when a user's unique myPSK expires along with his stay, he or she will no longer be able to access the Wi-Fi network.

Client Timeline

Discover potential connection problems with Client Timeline

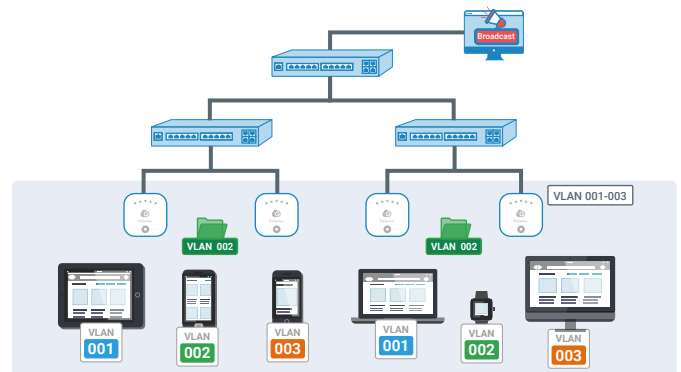
Pull up the entire history of a client device to trace back the time and behavior when a network problem may have originated.



VLAN Pooling **PRO**

Automatic partitioning of a broadcast domain to avoid broadcast flooding

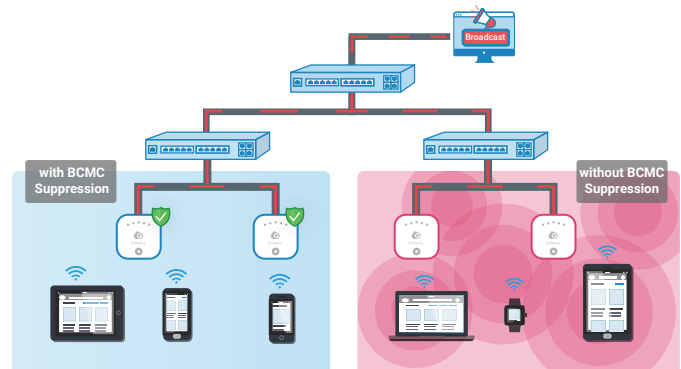
To prevent broadcast traffic from flooding the network, Access Point will randomly assign a VLAN from a pool of user-defined VLANs to each client associated with it, thereby automatically separating the broadcast traffic of clients into multiple VLANs.



Broadcast and Multicast Suppression

Optimize broadcast and multicast traffic for Wi-Fi networks

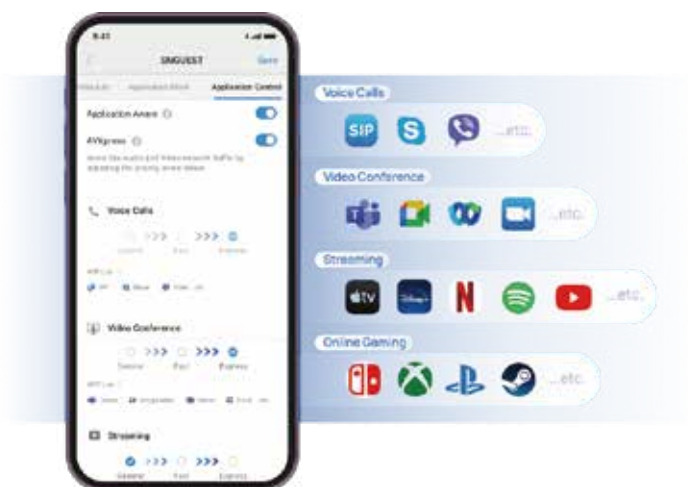
When a broadcast or multicast packet floods the subnet, a broadcast storm will reduce network performance. Broadcast and multicast suppression can reduce the number of traffic sending from wired networks to wireless networks.



AVXpress

Application priority setting with one-click

By simply selecting the 'AVXpress' mode, users can effortlessly prioritize services such as video conferencing, streaming, and gaming, with the same ease as prioritizing voice calls.



Consistent quality through Wi-Fi and wired networks

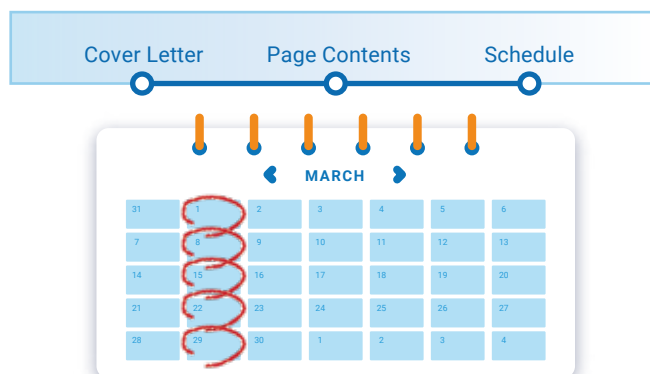
The AVXpress feature ensures that application traffic from wireless clients receives "Express" priority throughout the entire network, providing seamless prioritization from Access Points to Switches.



Scheduling Report

Customize and schedule network reports in minutes

To provide regular updates to customers and enable MIS teams to monitor network status continuously, Scheduling Report feature enables users to automate report generation on a scheduled basis. These reports are emailed to designated recipients with customized content, including logos, sender details, and selected dashboards.



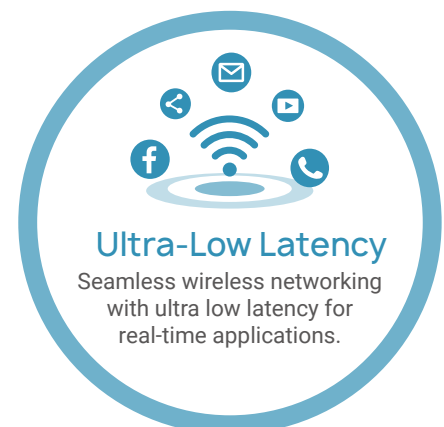
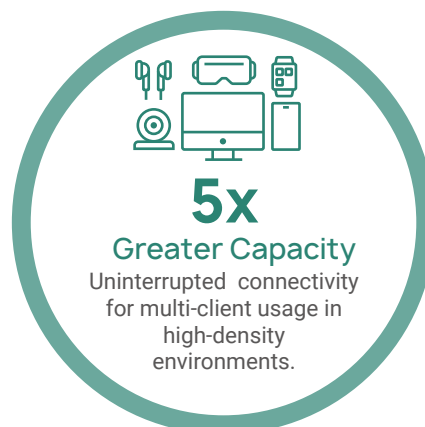
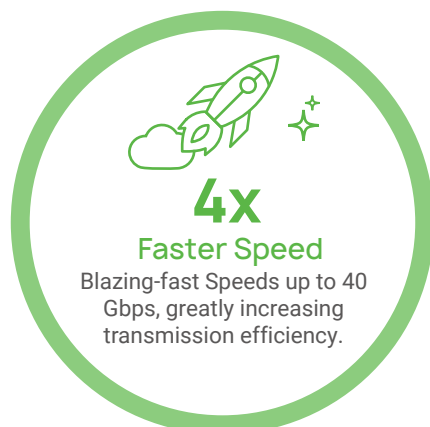
The High-Density WiFi Solution for Modern Business

Your Network is No Longer the Bottleneck with Wi-Fi 7

As your digital demands grow, your current Wi-Fi shouldn't be the one thing holding your team back. Wi-Fi 7 solves the frustration of network congestion by unlocking a massive new highway for data, ensuring every device performs at its peak—even in the most crowded environments.



Wi-Fi 7 Solution Advantages

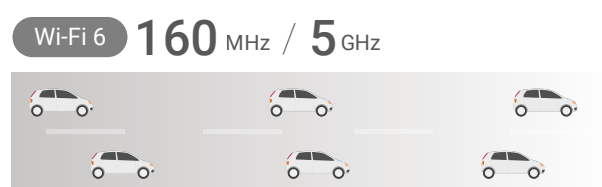
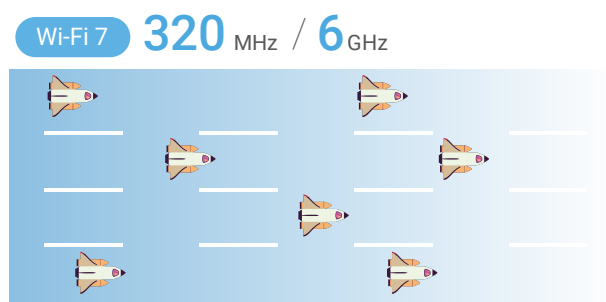


Innovative Features of Wi-Fi 7

2X Wider Bandwidth

320 MHz in 6 GHz band

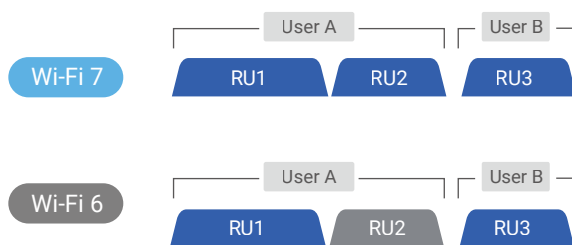
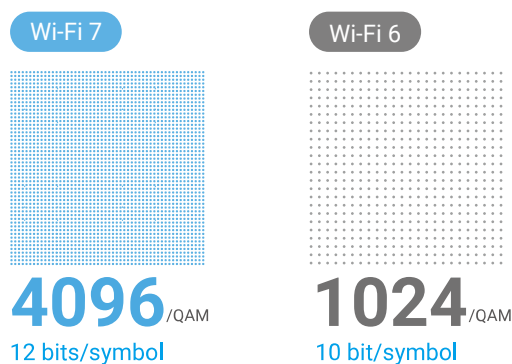
The three 320 MHz channels Unlock the full potential of the 6 GHz bands with Wi-Fi 7, eliminating bottlenecks and boosting productivity. Get more transmission done in less time for faster speed.



120% Faster Scheme

4K-QAM

The 4096-QAM utilizes a higher modulation scheme to encode data, enhancing throughput and greater capacity by increasing the number of data symbols transmitted per second, enabling more devices a seamless experience.



Better Efficiency

Multi-RU & Puncturing

Wi-Fi 7 access point allows multiple devices to transmit and receive data simultaneously. Multi-RU enhances capacity from multiple client devices, while Preamble Puncturing reduces overhead and improves efficiency by using shorter preambles.

Minimal Latency

Multi-Links Operation

With MLO, Wi-Fi 7 access point empowers devices to seamlessly transmit and receive data across multiple bands and channels simultaneously to increase throughput, reduce latency, and improve reliability.



Scenarios Where Wi-Fi 7 Can Boost Business Performance



Business

WORKPLACES

Fast speed, Low latency

Elevate collaboration and boost productivity in your workspace with Wi-Fi 7. Enjoy blazing-fast speeds and minimal latency, enabling smooth video conferencing, seamless file sharing, and effortless usage of cloud-based applications. Stay connected and maximize your productivity in the most demanding work environments.

Business

INDUSTRIAL IOT

High capacity, Low latency

Realize the revolution of industrial IoT with Wi-Fi 7, delivering unparalleled bandwidth, increased capacity, and ultra-low latency. Seamlessly connect multiple IoT devices, enabling smooth communication, real-time interactions, and automation for manufacturing, logistics, and energy management.



Smart Life

PUBLIC SPACES

High Capacity, Low Latency

Experience enhanced capacity in high client-density public spaces such as convention centers, transit hubs, and shopping malls with Wi-Fi 7 to meet the ever-growing demand for wireless connectivity. Empower users with reliable, ultra-fast Wi-Fi for seamless browsing, streaming, and real-time information.

Smart Life

ENTERTAINMENT

High Speed, Low latency

Unleash the full potential of entertainment with Wi-Fi 7. Superior speeds and minimal latency allow Wi-Fi 7 to deliver seamless enjoyment for high-definition 8K streaming, online multiplayer gaming, and immersive virtual reality (VR) experiences.



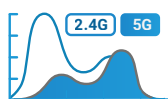
Security Access Points for Neutralizing Wireless

Invisible security threats and unpredictable signal interference often create critical vulnerabilities and sudden connection drops that compromise network reliability. EnGenius Security APs integrate AirGuard™, RF Spectrum Analysis, and Zero-Wait DFS to proactively neutralize risks and stabilize performance, providing the continuous protection and seamless uptime the clients depend on.

*Available for AP models with dedicated radio only. (i.e. ECW-xxxS)



AirGuard WIPS/WIDS



Spectrum Analysis



Zero-wait DFS

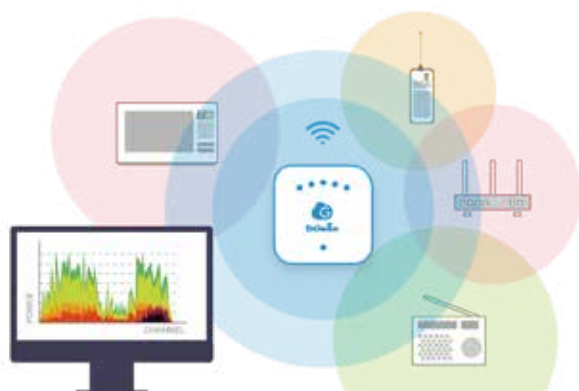


BLE Capability

AirGuard™

AirGuard™ WIPS/WIDS to secure your WLAN

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.



RF Spectrum Analysis

Spectrum analysis while maintaining

The security AP can perform real-time spectrum analysis of its environment with dedicated radio scanning without decreasing performance.

Zero-Wait DFS

Zero-Wait DFS to avoid disrupting client connection

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.



Managing Cloud Switch

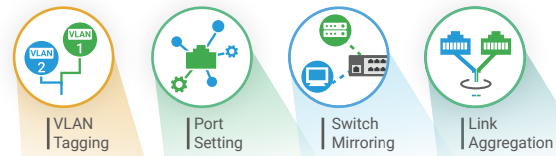
Quick view of network Switches

Conveniently monitor and troubleshoot all of your network switches in one location with the switch list by checking overall configurations and real-time meters.



Detailed view of Switch port and PoE

Check real-time information of port connection state and PoE utilization and make configurations for each port of individual switches.



Comprehensive and flexible Switch configuration

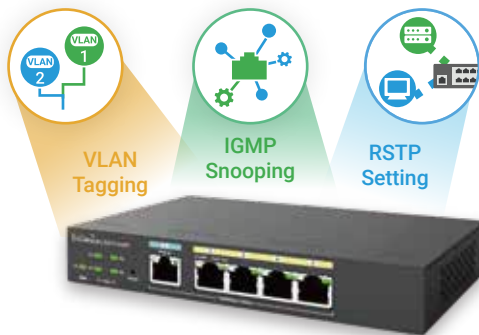
Get full control and flexibility in configuring network switches. Setup network ports, VLAN tags, and other details for one or a group of devices to optimize overall network performance.



Managing Cloud Switch Extender **PRO**

Built-in Switch features for network efficiency

The built-in switch features optimize network performance by assigning VoIP traffic to specific VLANs for enhanced call quality and supporting IGMP Snooping to suppress IPTV traffic for optimized bandwidth usage.



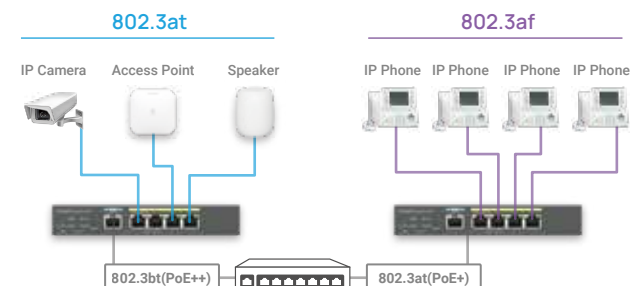
Extend PoE connectivity beyond limits

EnGenius Switch Extenders break the 100-meter PoE barrier, offering seamless, cloud-manageable connectivity for devices in hard-to-reach or maintenance-sensitive areas. Durable and reliable, they simplify network wiring and management.



Easy powering multiple devices

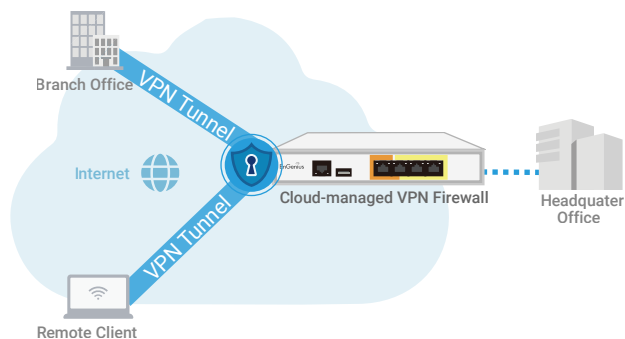
EnGenius Switch Extender powers devices efficiently in power-constrained spaces with PSE-out capability, reducing individual power wires while delivering optimized wattage for peak performance.



Managing Cloud VPN Firewall

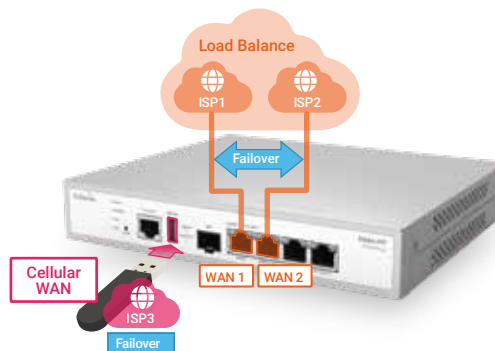
Easy setup and secure SD-WAN

Streamline your remote work and communication with site-to-site and client VPN. Forget the complexity of traditional VPN configurations and embrace effortless, secure, and private connections for your business.



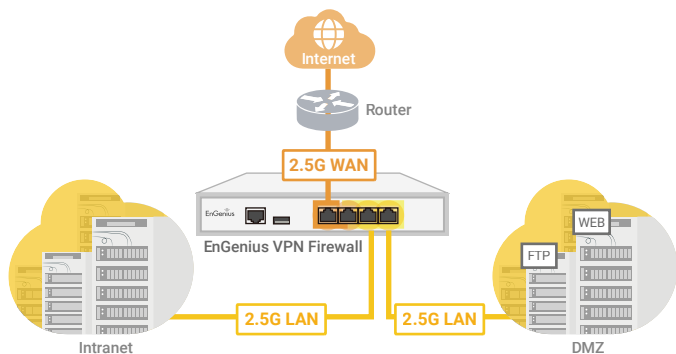
Stay connected with WAN failover and cellular

The dual WAN ports are ready for load balance to increase the WAN bandwidth or redundancy links. If all WAN ports go down, the 3G/4G network connection with the USB wireless dongle can provide a backup for the corporate network from disruption.



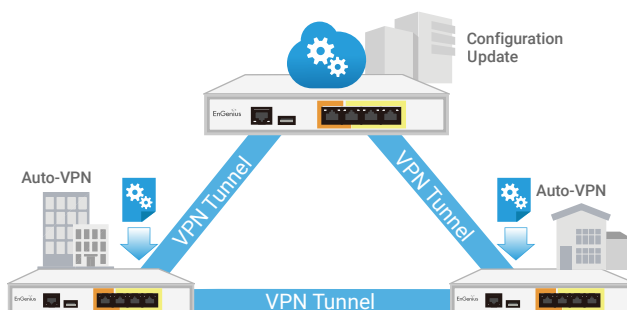
Optimal performance with four 2.5G ports

The VPN firewall has multiple 2.5G ports for dual WAN and dual LAN connection for high-speed WAN environment and in-line architecture design.



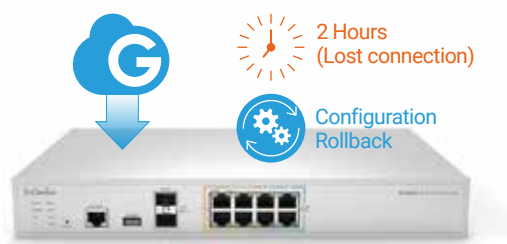
Self-healing Auto-VPN for easy networking

EnGenius VPN Firewalls will automatically update related VPN information to all peers for continuous VPN connection in the case of WAN IP address reassignment or forwarding port change.



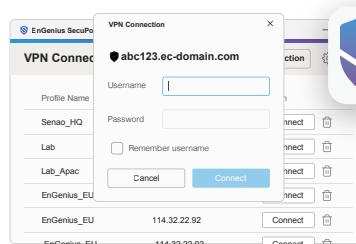
Self-Healing Network for Reliable Operations

The cloud-managed devices auto-revert to a stable configuration, ensuring connectivity and minimizing downtime and support costs.



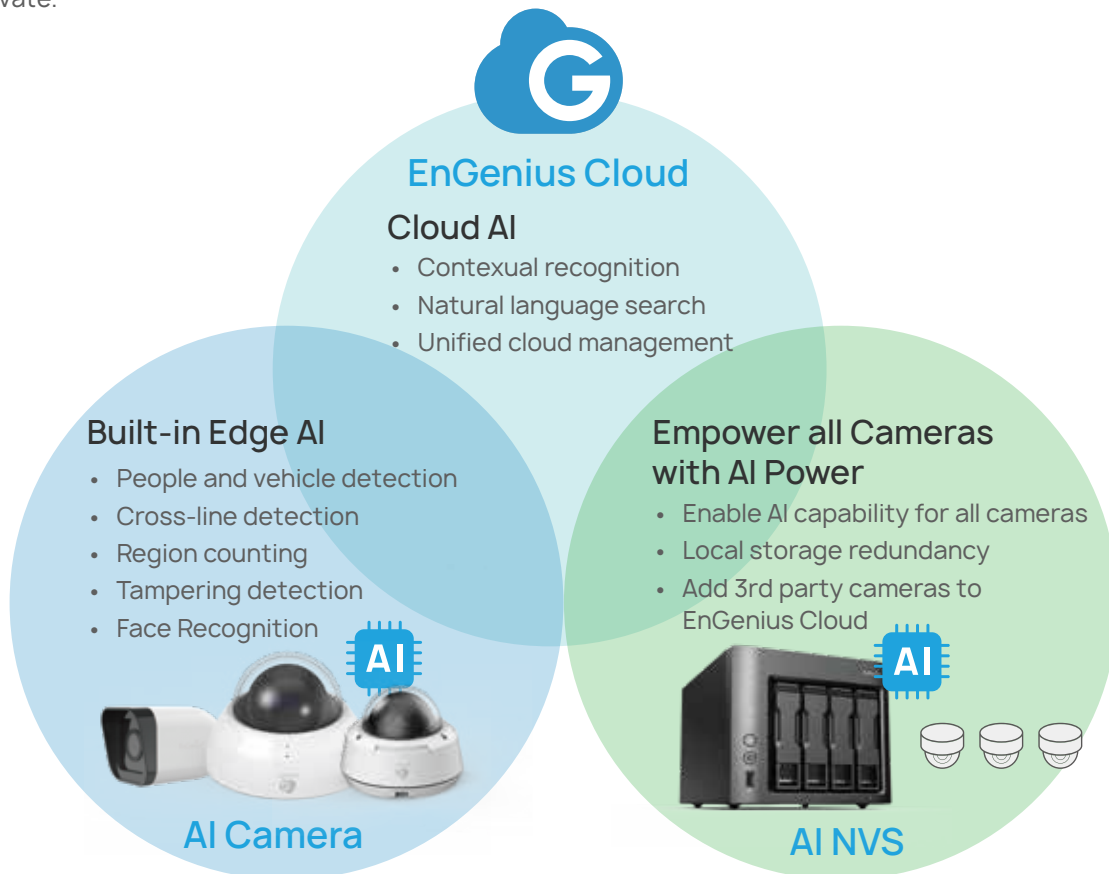
Seamless and secure VPN client for remote working

SecuPoint SSL VPN Client helps businesses with remote workforces to easily establish secure connections to the VPN servers through automated setup and agile certificate authentication.



Seamlessly Connecting Edge, Cloud, and Storage

EnGenius Cloud brings AI to both the edge and the cloud, enabling real-time detection and centralized control. For flexible deployments, AI-NVS extends the surveillance intelligence to third-party cameras and unifies management across all devices. The solution is scalable and bandwidth-friendly, with local video storage that keeps sensitive data safe and private.

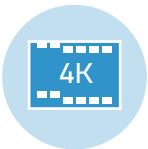


Redefining Surveillance with Intelligent EnGenius AI Cameras



Intelligent Design

- Built-in NPU for edge AI processing
- Built-in storage supporting up to 512GB for local recording
- AES-256 encryption ensures microSD recordings remain protected and unplayable on other platforms (ECC500)



Professional-Grade Video

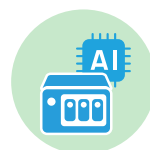
- Up to 8MP (4K) ultra-high resolution
- High sensitivity and low-light performance with Sony STARVIS™ sensor
- Infrared illumination range up to 30 meters



Easy Deployment and High Durability

- Easy installation with PoE power support
- Rugged IP66/67 dust- and water-resistant design
- Durable IK10 impact-resistant housing
- NDAA/TAA Compliant

Enhance Existing Non-EnGenius Cameras with AI-Powered NVS



AI Enablement for Any Camera

- Convert ONVIF Profile S & RTSP cameras into AI-enabled devices
- Real-time AI processing with built-in NPU



Enterprise-Grade Storage

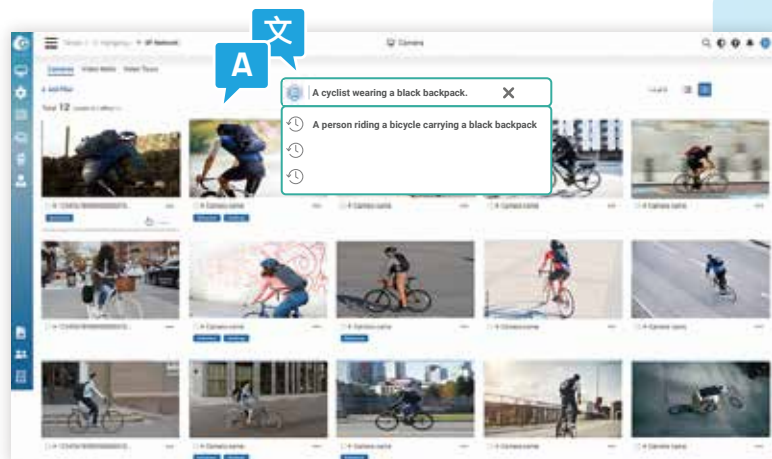
- Reliable protection with high-availability RAID
- Supports 30+ days of continuous recording



Unified Management Platform

- Seamless integration with EnGenius Cloud
- Centralized management for multi-brand cameras
- Complete network integration with EnGenius products

AI-powered Search Search Like You Say It



Intuitive Search:

- Use everyday language or multiple languages to find exactly what you need, just like using Google.

Comprehensive Coverage:

- Seamlessly search across your entire camera network and multiple locations.

Rapid Results:

- Locate and share relevant footage in minutes, not hours.

Precision Filtering:

- Refine searches with specific details like appearance, actions, date, and time.

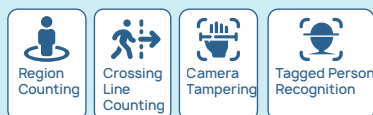
Alert and Notifications

AI-Alerts: Your Real-time Security Guard

Edge AI instantly notifies you of rule-based violations like intrusions or crowd density limits, while cloud AI recognizes complex scenarios such as fights or user-defined specific behavior—delivering smart alerts before situations escalate.

Edge AI Camera Alerts

Rule-based detection monitors intrusions, line crossing, crowd density with counting, object detection, and camera tampering.



Cloud AI Alerts

Instantly alerts you to critical scenarios like fights, bullying, accidents, and weapon detection through AI-powered behavioral analysis.



Custom SD Alert (Software-Defined Alert)

While predefined AI alerts handle common scenarios like fights and arson, every organization faces unique operational challenges requiring customized detection beyond standard alerts. EnGenius goes beyond conventional predefined alerts by introducing Contextual SD-Alert—empowering you to create intelligent, industry-specific detection tailored to your exact operational needs.

✓ Customize Your Own Alerts Using Natural Language

SD-Alert

Person making physical contact with

- No Code / No Retraining
- No Hardware Dependencies
- No Software Installation
- Multi-language supports

✓ Smarter alerts built on Contextual Intelligence


Leverages cloud-based LLM agents to trigger alerts based on complete behavioral patterns and sequences, preventing alerts from irrelevant movements or partial activities

✓ Teach Your AI What Matters: User-Defined Contextual Intelligence

Train your AI with site-specific knowledge to make smarter decisions. Define what's normal for your environment:

✓ Address Specific & Unique Needs across Diverse Industries


⚠ Taking photos in restricted area




⚠ Person not wearing hardhat




⚠ Perform dangerous bicycle



⚠ Caregiver hitting patient



⚠ Teacher making a violent gesture



⚠ Tailgate without access card





📄 User Entry Scene Description

Staff Uniform Features

- The person wearing a blue vest with the supermarket logo is a clerk.

Normal Behaviors

- Umbrellas and water bottles should not be classified as weapons.

Special Notes

- If over 4 people queue, note number of people.

How SD-Alert Works

Define Alert Condition

SD-Alert

Someone performs

Setting alert condition by Natural Language, like:

"Someone performs dangerous stunts on a bicycle in the park"

Analyze with Cloud AI



Cloud AI analyzes & recognizes:

- High-speed riding
- Standing actions
- No-hands cycling
- Jumping curbs

Detect Across Cameras



Cam 1

Cam 2

It can detect events across different cameras and send proactive alerts.

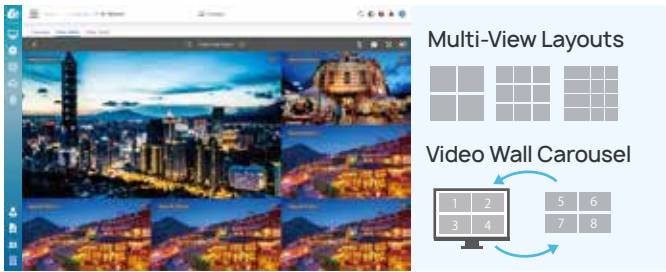
Surveillance Management

Effortless Centralized Monitoring

Live Streaming

Monitor Your Entire Facility Securely

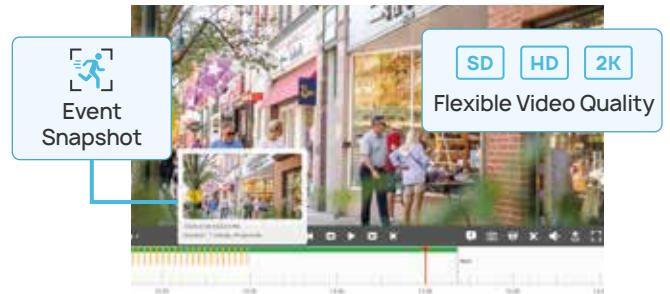
Live streaming provides the real-time awareness to monitor multiple cameras at once. By sharing URLs without cloud uploading, you can collaborate with stakeholders while maintaining total privacy.



Advanced Video Playback

Review Footage Effortlessly

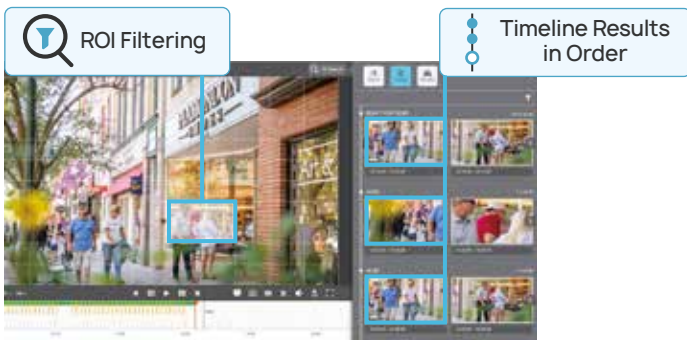
Advanced video playback provides the visual clarity needed to navigate recorded footage with ease. By using thumbnail previews and toggling video quality, you can instantly locate key moments and optimize playback speed.



AI-Metadata Search

Find Evidence Faster

AI-powered metadata search delivers the precision to find specific events in seconds. By applying Region of Interest (ROI) filters, you can instantly pinpoint motion, people, or vehicles on a chronological timeline.



Region & Cross-Line Detection

Secure Your Premises Proactively

Region and Cross-Line Detection provides the visual intelligence to monitor movement through your facility. By configuring precise rules for counting, crowding, or breaches, you can identify events in real time.



Floor Plan Mapping

Pinpoint Incidents Instantly

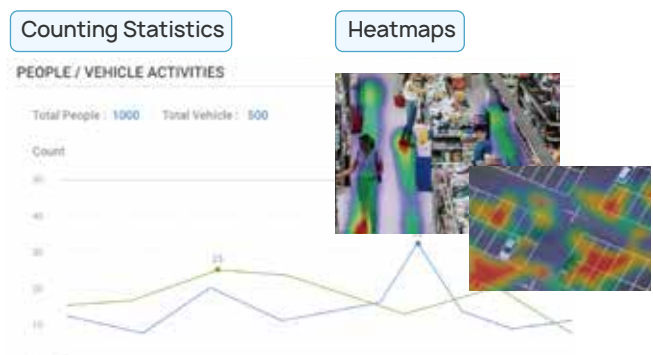
Floor plan mapping provides the visual context to see exactly where events occur in real time. By overlaying live feeds and alerts onto your layout, you can instantly pinpoint incidents and identify blind spots.



AI Analytics

Track Activity Accurately

AI metadata provides the intelligence to monitor movement through your facility. By visualizing statistics and heatmaps, you can pinpoint hotspots and trends.



AI-NVS Cloud Management



Comprehensive Storage Monitoring

At-a-glance visual metrics of storage usage and RAID health to ensure continuous video protection and data integrity.



Seamless 3rd-Party Cam

Monitor, manage, and access footage from non-EnGenius cameras with the same Cloud platform as other EnGenius network devices.

The screenshot shows the EnGenius AI-NVS interface. At the top, there's a navigation bar with the EnGenius logo, a menu icon, and the text 'EnGenius AI-NVS'. Below this is a 'List' section with a '+ Add Filter' button and a table of cameras. The table has columns for Name, Serial Number, MAC, Model Name, LAN1 IP, LAN2 IP, FW Version, Network, Uptime, and Last Update. There are 6 cameras listed, all of model EVS330D. Below the table, there are two status sections: 'CAMERA STATUS' and 'VIDEO BACKUP STATUS', each with a 2x2 grid of indicators.

Name	Serial Number	MAC	Model Name	LAN1 IP	LAN2 IP	FW Version	Network	Uptime	Last Update
EVS330D	3029C21R74VH	A0:00:00:62:00:00	EVS330D	211.72.124.13	192.168.0.75	sim_v4.0	8F	27 d 18 h 33 m	4 minutes ago
EVS330D	3029C21R74VH	A0:00:00:62:00:00	EVS330D	211.72.124.13	192.168.0.75	sim_v4.0	8F	27 d 18 h 33 m	4 minutes ago
EVS330D	3029C21R74VH	A0:00:00:62:00:00	EVS330D	211.72.124.13	192.168.0.75	sim_v4.0	8F	24 days, 19:27:46	4 minutes ago
EVS330D	3029C21R74VH	A0:00:00:62:00:00	EVS330D	211.72.124.13	192.168.0.75	sim_v4.0	8F	24 days, 19:27:46	4 minutes ago
EVS330D	3029C21R74VH	A0:00:00:62:00:00	EVS330D	211.72.124.13	192.168.0.75	sim_v4.0	8F	24 days, 19:27:46	4 minutes ago

Unified Camera Management



Centralize for Multi-Brand Cameras

Manage EnGenius and 3rd party cameras from one interface via RTSP/ONVIF. Seamlessly access video wall, live view, playback, and search across all brands.



Instant AI Upgrade for Any Camera

Transform 3rd party cameras with EnGenius Cloud AI and Edge AI capabilities - Context-aware recognition, smart motion search, and intelligent alerts.

The screenshot shows the Unified Camera Management interface. At the top, there's a table of cameras with columns for Name, Serial Number, MAC, Model Name, IP Address, FW Version, Uptime, and Last Update. One camera, 'HiKxxx', is selected. Below the table, there's a 'People / Vehicle Activities' section with a line graph showing activity over time. To the right, there's a 'Last Snapshot' image of a building at night. At the bottom right, there's a 'Details' panel for the selected camera.

Name	Serial Number	MAC	Model Name	IP Address	FW Version	Uptime	Last Update
Camera name	SN-123456	96:dc:96:76:fa:9f	ECC100	192.168.1.1	1.3.61	24 d 12 h 41 m	3 minutes ago
TPLxxx	SN-123456	96:dc:96:76:fa:9f	C350	192.168.1.1	1.3.61	24 d 12 h 41 m	3 minutes ago
Dahxxx	SN-123456	96:dc:96:76:fa:9f	HFV2441S	192.168.1.1	1.3.61	24 d 12 h 41 m	3 minutes ago
<input checked="" type="checkbox"/> HiKxxx	SN-123456	96:dc:96:76:fa:9f	D5-2CD2143	192.168.1.1	1.3.61	24 d 12 h 41 m	3 minutes ago

Type	ONVIF
Resolution	1920x1080
Retention Days	73 days
Edge AI	ON
Cloud AI	OFF
Camera Storage	-
Audio	Microphone
Time Zone	Asia/Taipei

Managing Cloud PDU

Quick Access to PDU status

EnGenius Cloud unifies all PDUs in a single platform. The PDU list displays essential power usage data and outlet status for network administrators to access efficiently.



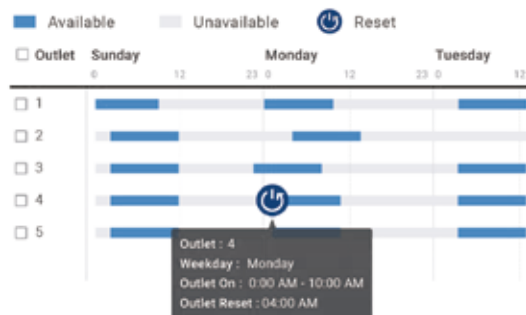
Detailed PDU status & power data statistics

Obtain comprehensive real-time data and power usage statistics for each PDU outlet's current, voltage, and kWh usage, empowering you to optimize power consumption effectively.



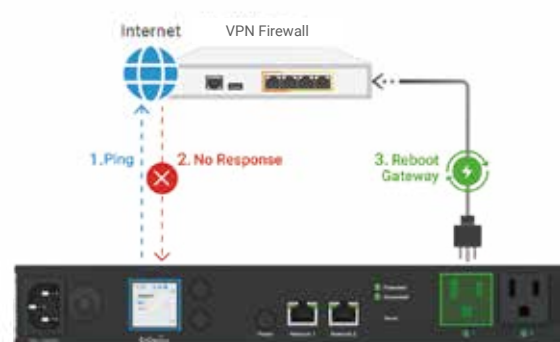
Individual outlet scheduling

The PDU enables individual outlet scheduling, improving energy management. Users can customize outlet operations, optimizing power use and efficiency.



Self-healing Auto-reboot

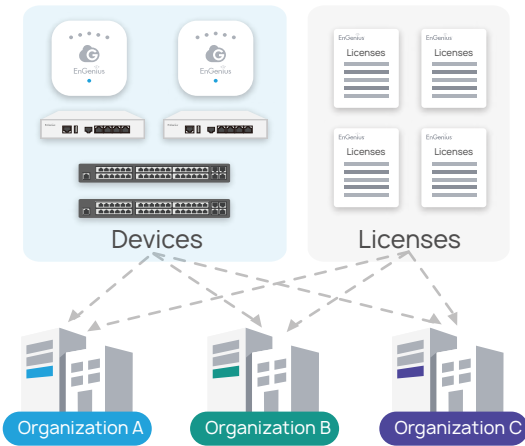
The PDU consistently monitors internet connectivity by pinging a reliable hostname of specific outlet. If disconnected, it reboots the gateway outlet, helping in internet restoration.



Efficiently Scale and Manage Customer Networks from a Single Dashboard with MSP Portal

Single Dashboard to see everything and miss nothing

Gain a centralized, holistic view for comprehensive oversight and control across multiple tenants (organizations). The MSP Portal efficiently scale and manage customer networks from a single dashboard.

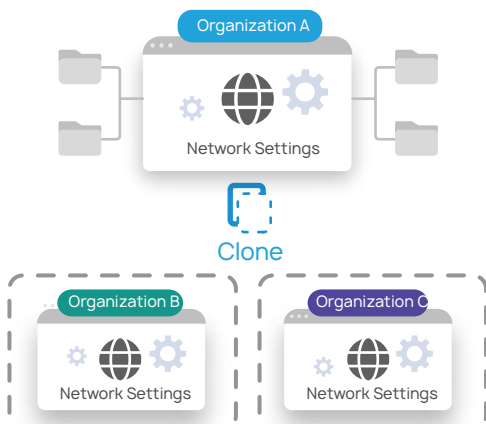
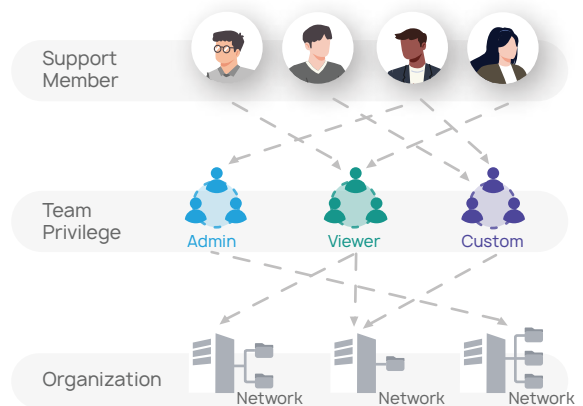


Unified inventory & licensing for efficient management

Our platform provides a one-stop management solution for MSP administrators, offering centralized control over device and license registration. This facilitates seamless device relocation and ensures proactive inventory control, including comprehensive tracking of upcoming license expirations for optimal visibility.

Simplified team management across multiple organizations

With simplified team privileges, MSP administrators can assign access rights to entire teams instead of individual users. Effortless team modifications ensure that when changes occur within a team, updating the team list automatically adjusts access rights across all associated organizations or networks, maintaining consistent permissions throughout.



Clone to deploy for easy setup in minutes

The 'Clone' feature enables the smart copy of configurations from specific Organizations and Networks, significantly reducing setup times and eliminating repetitive configurations. This streamlines the launch of new Organizations and Networks by minimizing redundant settings for similar tenants, unleashing efficiency in deployment processes.

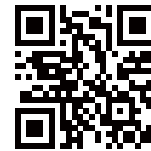
Deploy and Monitor Your Networks On the



EnGenius Cloud To-Go

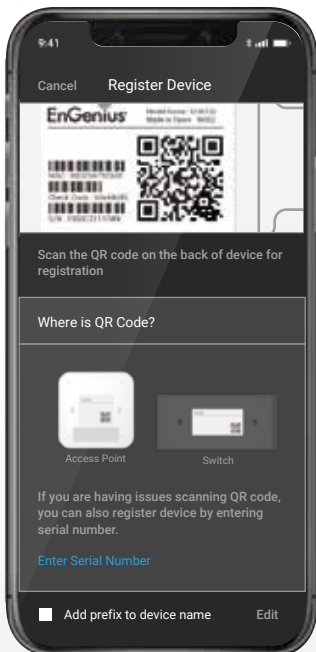
Smart Networking at Your Fingertips

With the EnGenius Cloud To-Go mobile app, you can always have full control of cloud-managed switches, access points, and other devices. Get real-time alerts no matter where you are. Easy device deployment, visualized monitoring, and alerts for abnormal network activity available within an intuitive mobile app.



Easy deployment and configuration

Scan, register, and quickly configure Cloud network devices



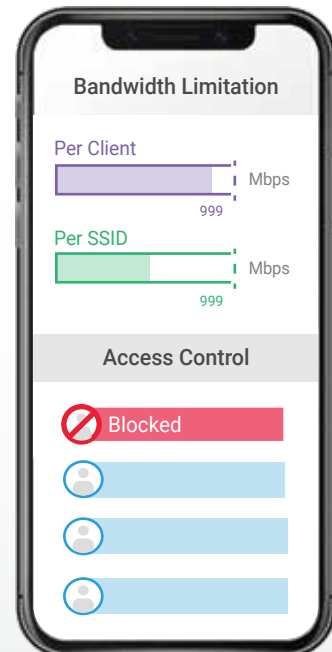
Simple monitoring and management

Smartly manage Access Points, Switches and clients and stay informed to troubleshoot



Highly secured and flexible

Rich features your business needs in one place



Keep Your Network Growing with Your Business



Manage all branch networks remotely



Leverage expertise for local site network management



Expand networks in no time

How EnGenius Cloud To-Go Cares for Your Business

Retail Store



Flexible network deployment

Cloud To-Go managed devices can be mounted to ceilings, walls, or poles. They can easily fit into any environment.

Always-on networks for

Cloud networks let you smoothly run all in-store services that need to be online, such as streaming music and realtime surveillance.

Multi-site management

You can easily assign new members to manage and remotely control the networks for all branch businesses.

Hospitality



Setup-and-go in minutes

Follow the easy step-by-step guidelines of the app to quickly set-up your cloud-managed devices.

Ideal Wi-Fi access for all guests

Set up traffic shaping and bandwidth for your guests to ensure everyone has fast and steady Wi-Fi.

In-store messages for branding

Customize the captive portal with your brand to welcome your guests to access the Wi-Fi and share their positive experiences in your store.

Small & Home Office



Improve the working efficiency

A fast connection for employees to focus and accelerate their work without any latency despite the type of office.

Monitor networks remotely

No matter when or where you are, you can check the real-time status and manage settings for your networks with your mobile device.

Secure connection and data

The Cloud-managed networks are well-protected for the connection and data of your company, staff, customers, and visitors.

Start with essential features and upgrade with Pro licenses.

Assign either the Basic or Pro plan to specific product categories to enable the appropriate feature set for managing your networking assets.

	Basic Basic Plan For SOHO, SMB, and fast-growing retail and hospitality to manage networks in a simple way	PRO Professional Plan For SMEs, managed service providers and networks required more advanced features
Cloud License Price	FREE (no license needed)	\$ Require Cloud PRO License
Platform-wide		
	Easy Administration Quick deployment with QR-code scan Hierarchy view & multi-tenant design Two factor authentication Schedule firmware upgrade	Smart Networking Quick access to device live view Variety of user authentications Custom splash page Block/ VIPed client
Cloud Network Management		Visualized Insights Network dashboard AI-driven advisory board Device real-time metrics Usage of Layer 7 applications
Team Members	20 users	Unlimited
Max Network no. in an Org	50	5000 (Recommend 500)
Cloud Radius and Voucher Service*1	100 entries	10000 entries
Clone Network	-	V
Client List Export	-	V
Topology	EnGenius devices only	EnGenius and 3rd-party devices
Scheduling Report System	1 report	V
Customer Support	Limited support	Priority support with on-line tool
PRO AP Access Point		
Statistic Data Stored	1 day	30 days
Client Timeline	7 days	7 days
Wi-Fi Floor Plan Heatmap	V	V
Wi-Fi Floor (Obstacle & Virtual AP)	-	V
WiFi Floor Plan Counsel *2*3	-	V
myPSK (dynamic/ private PSK)*4	-	V
VLAN Pooling	-	V
Broadcast Suppression	V	V
Application QoS (AVXpress)	V	V
AD/ LDAP/ Google Authentication / Azure AD	-	V
Live Diagnostic Tools	Limited (~ 1min)	V
Live Client List	Limited (~ 1min)	V
RF Spectrum Analysis *2	-	V
AirGuard *2	-	V
Zero-Wait DFS *2	V	V
BLE Client List *2	V	V
Smartcasting	-	V
Radius Load Balance	-	V
SSID on LAN	V	V
Packet Capture	-	V
Block/VIP Client/ Whitelist *5	300	1000
Change Log	V	V
Alert Notification	On-line/ Off-line	V
Backup & Restore	-	V
API Integration (3rd party)	-	V

	Basic Basic Plan For SOHO, SMB, and fast-growing retail and hospitality to manage networks in a simple way	PRO Professional Plan For SMEs, managed service providers and networks required more advanced features
Cloud License Price	FREE (no license needed)	\$ Require Cloud PRO License
PRO/AP Access Point - ECW Lite *6		
Statistic Data Storage	1 Day	30 Days
Cloud Radius and Voucher Service	100	100
Config Log	V	V
Alert Notification	On-line/Off-line	On-line/Off-line
Backup & Restore	-	V
Clone Network	-	V
Client List Export	-	V
Topology	V	V
API Integration (3rd party)	-	V
Broadcast Suppression	V	V
Application QoS(AVXpress)	V	V
Live Diag Tools	Limited (~ 1min)	Limited
Live Client List	Limited (~ 1min)	V
VIP/Allowlist/Block List	300	300
myPSK(dynamic/ private PSK)	-	500 (without external RADIUS)
SmartCast	V	V
Casting on LAN *7*8	V	V
SSID on LAN *7	V	V
SSID Suffix	V	V
WiFi Calling	-	V

*1 EnGenius Cloud RADIUS and other Cloud service features are subject to user limits.

*2 Available for AP models with dedicated radio only. (e.g. ECW-xxxS)

*3 Available for optimizing AP placement and signal strength calculations based on the created floor plan.

*4 Even with the same SSID, different VLANs can have distinct PSKs assigned.

*5 Per network, synchronized across all supported devices.

*6 ECW-Lite AP models don't support other Pro features if not listed in the above table.

*7 The wall-plate model ECW515L, compared to non-wall-plate ECW Lite APs, provides additional LAN Port Settings features: SSID on LAN, VLAN mode, PVID, and Casting on LAN.

*8 The in-wall model ECW201L (JP only), compared to non-wall-plate ECW Lite APs, provides an additional LAN Port Settings feature: Casting on LAN.

Basic Plan Comparison of ECW and ECW Lite

Access Point	ECW - Basic Plan	ECW Lite - Basic Plan
Hotspot 2.0	V	-
RadSec	V	V*2
VLAN by RADIUS	V	V*2
Other Basic Plan Features*1	V	V

*1 Except the Hotspot 2.0, ECW Lite Access Points support all the rest features as ECW ones in the Basic Plan.

*2 Supported by firmware version 1.x.2 and above.

Basic Basic Plan

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

PRO Professional Plan

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

Cloud License Price	FREE (no license needed)	\$ Require Cloud PRO License
PRO SW Switch		
Statistic Data Stored	1 day	30 days
Switch Template (Port Configuration)	–	✓
Real-time Wired Client List	Limited (~ 1min)	✓
PD Lifeguard	✓	✓
Auto Cam Lifeguard	–	✓
Extended Range	✓	✓
Packet Capture (.pcap)	–	✓
Diag Tools	Limited (~ 1min)	Full / real-time client
Change Log	✓	✓
Alert Notification	On-line/ Off-line	✓
Backup & Restore	–	✓
API Integration (3rd party)	–	✓
PRO SW Switch - ECS Lite		
Statistic Data Storage	1 day	30 days
Config Log	✓	✓
Alert Notification	Off-line/FW upgrade	✓
Backup & Restore	–	✓
Clone Network	–	✓
Topology	EnGenius devices only	EnGenius and 3rd-party devices
API Integration (3rd party)	–	✓
Switch Template	–	✓
PRO PDU PDU		
Statistics Data	1 day	30 days
Config Log	✓	✓
Alert Notification	On-Off only	Advanced
Backup & Restore	–	✓
API Integration (3rd Party)	–	✓
PRO EXT Switch Extender*		
Statistic Data Stored	–	30 days
Change Log	–	✓
Alert Notification	–	✓
Backup & Restore	–	✓

*To manage the switch extender on the EnGenius Cloud, a Pro License is required.

Basic Basic Plan

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

PRO Professional Plan

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

Cloud License Price	FREE (no license needed)	\$ Require Cloud PRO License
PRO GW VPN Firewall		
Statistic Data Stored	1 day	30 days
Auto VPN	V	V
Auto VPN NAT Traversal	V	V
Auto VPN Fail-over	V	V
VPN Topology	—	V
VPN Traffic Usage	—	V
VPN Client (IPsec)	V	V
Network Clone	—	V
Firewall State/ Session Log for Diag	—	V
Remote CLI	—	V
Diag Tools	Limited (~ 1min)	V
Layer 7 Firewall	—	V
Layer 7 Policy Route	—	V
Application Bandwidth Control	—	V
IDS/IPS	V	V
Packet Capture	—	V
HA	—	V
Block/VIP Client/ Whitelist*1	100	1000
Policy Route	V	V
Config Log	V	V
Alert Notification	On-line/ Off-line	V
Backup & Restore	—	V
PRO CAM Camera		
Remote Viewing Time (Live view & Playback)	120 minutes per month	Unlimited
Local Viewing Time*2	Unlimited	Unlimited
Object Search Period	3 days	180 days
Device Configuration and Monitor	V	V
Statistic Data Retention	1 day	30 days
Log Retention	7 days	30 days
AI-Powered Search (Natural Language)	V	V
Cloud AI (Contextual Analytics & Alert)	Supported (AI Token required)*3	Supported (AI Token required)*3






*1 Per network, synchronized across all supported devices.

*2 "Local" means the viewing station is in the same LAN as the camera, including VPN tunnel access remotely.

*3 Both Basic and Pro Plan cameras support Cloud AI features as long as you have Cloud AI Tokens available.







EnGenius Cloud Access Point

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


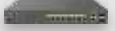
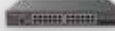



Indoor					
	 Wi-Fi 6	 Wi-Fi 6	 Wi-Fi 6E	 Wi-Fi 7	 Wi-Fi 7
Model Name	Cloud6 4x4	Cloud6 4x4 S	Cloud6E 4x4x4	Cloud7 2x2x2	Cloud7 4x4x4
Model Number	ECW230	ECW230S	ECW336	ECW526	ECW536
Wi-Fi Standard	Wi-Fi 6 (11ax)	Wi-Fi 6 (11ax)	Wi-Fi 6E (11ax)	Wi-Fi 7(11be)	Wi-Fi 7 (11be)
Frequency	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz & 6 GHz	2.4 GHz & 5 GHz & 6 GHz	2.4 GHz & 5 GHz & 6 GHz
Data Rate (2.4 GHz)	1200 Mbps	1200 Mbps	1,200 Mbps	700 Mbps	1,400 Mbps
Data Rate (5 GHz)	2400 Mbps	2400 Mbps	2,400 Mbps	2,900 Mbps	5,800 Mbps
Data Rate (6 GHz)	-	-	4,800 Mbps	5,800 Mbps	11,600 Mbps
Radio Chains	4 x 4:4	4 x 4:4	4 x 4:4	2 x 2:2	4 x 4:4
Tx Power (2.4 GHz)	23 dBm	23 dBm	23 dBm	23 dBm	25 dBm
Tx Power (5 GHz)	23 dBm	23 dBm	23 dBm	22 dBm	24 dBm
Tx Power (6 GHz)	-	-	23 dBm	22 dBm	24 dBm
Antennas (2.4 GHz)	4 x 5 dBi Omni	4 x 5 dBi Omni	4 x 5 dBi Omni	2 x 5 dBi Omni	4 x 5 dBi Omni
Antennas (5 GHz)	4 x 6 dBi Omni	4 x 6 dBi Omni	4 x 6 dBi Omni	2 x 6 dBi Omni	4 x 6 dBi 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	802.3at	802.3bt
Scanning Radio	-	●	-	-	-
BLE	-	●	-	-	-
Power Consumption (Peak)	19.5W	19.5W	22.5W	21W	38W
Ethernet Port	1x 2.5GE PoE+ port	1x 2.5GE PoE+ port	1x 5GE PoE+ port	1x 10GE PoE+port	1x 10GE PoE++port 1x 10GE port
Mounting	Wall/ Ceilling	Wall/ Ceilling	Wall/ Ceilling	Wall/ Ceilling	Wall/ Ceilling
IP Rating	N/A	N/A	N/A	N/A	N/A
Dimensions	205 x 205 x 33 mm	205 x 205 x 33 mm	205 x 205 x 33 mm	190 x 190 x 39.5 mm	230 x 230 x 39.5mm
Mesh Technology	●	●	●	●	●
Mobile app (Cloud To-Go)	●	●	●	●	●







EnGenius Cloud Access Point

Indoor					
					
Model Name	Cloud6 2x2 Lite	Cloud6 4x4 Lite	Cloud7 2x3x3 Lite	Cloud7 2x2	Cloud7 2x2x2
Model Number	ECW210L	ECW212L	ECW516L	ECW510	ECW520
Wi-Fi Standard	Wi-Fi 6 (11ax)	Wi-Fi 6 (11ax)	Wi-Fi 7(11be)	Wi-Fi 7(11be)	Wi-Fi 7(11be)
Frequency	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz	802.11a/b/g/n/ac/ax/be	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz & 6GHz
Data Rate (2.4 GHz)	600 Mbps	1200 Mbps	700 Mbps	700 Mbps	700 Mbps
Data Rate (5 GHz)	2400 Mbps	2400 Mbps	4300 Mbps	4300 Mbps	4300 Mbps
Data Rate (6 GHz)	-	-	8700 Mbps	-	5,800 Mbps
Radio Chains	2 x 2:2	4 x 4:4	2 x 2:2(2.4GHz), 3x 3:3(5GHz & 6GHz)	2 x 2:2	2 x 2:2
Tx Power (2.4 GHz)	21 dBm	23 dBm	22 dBm	23 dBm	23 dBm
Tx Power (5 GHz)	21 dBm	23 dBm	22 dBm	21 dBm	23 dBm
Tx Power (6 GHz)	-	-	22 dBm	-	20 dBm
Antennas (2.4 GHz)	2 x 6 dBi Omni	4 x 5 dBi Omni	2 x 5 dBi	2 x 3 dBi Omni	2 x 6 dBi Omni
Antennas (5 GHz)	2 x 7 dBi Omni	4 x 5 dBi Omni	3 x 5 dBi	2 x 5 dBi Omni	2 x 6 dBi Omni
Antennas (6 GHz)	-	-	3 x 5 dBi	-	2 x 6 dBi Omni
PoE Standard	802.3af	802.3at	802.3at	802.3at	802.3at
Scanning Radio	-	-	-	-	-
BLE	-	-	-	-	-
Power Consumption (Peak)	10.7W	17W	20.7W	15.5W	25.4W
Ethernet Port	1x GE PoE port	1x 2.5GE PoE+ port	1x 2.5GE PoE+ port	1x 2.5GE PoE+ port	1x 2.5GE PoE+ port
Mounting	Wall/Ceiling	Wall/Ceiling	Wall/ Ceiling	Wall/ Ceiling	Wall/ Ceiling
IP Rating	N/A	N/A	N/A	N/A	N/A
Dimensions	160 x 160 x 30 mm	205 x 205 x 33 mm	205 x 205 x 33 mm	160 x 160 x 32 mm	158 x 158 x 35.8 mm
Mesh Technology	●	●	●	●	●
Mobile app (Cloud To-Go)	●	●	●	●	●



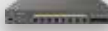



Indoor	Outdoor					
						
Model Name	Cloud7 2x2	Cloud7 4x4x4	Cloud5 2x2 Outdoor	Cloud6 2x2 Outdoor	Cloud6 4x4 Outdoor	Cloud7 2x2 Outdoor
Model Number	ECW515	ECW536S	ECW160	ECW260	ECW270	ECW560
Wi-Fi Standard	Wi-Fi 7 (11be)	Wi-Fi 7 (11be)	11ac Wave 2	Wi-Fi 6 (11ax)	Wi-Fi 6 (11ax)	Wi-Fi 7
Frequency	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz & 6 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5GHz	2.4 GHz & 5GHz	2.4 GHz & 5GHz
Data Rate (2.4 GHz)	700 Mbps	1,400 Mbps	400 Mbps	600 Mbps	1200 Mbps	700 Mbps
Data Rate (5 GHz)	2,900 Mbps	5,800 Mbps	867 Mbps	1200 Mbps	2400 Mbps	2900 Mbps
Data Rate (6 GHz)	-	11,600 Mbps	-	-	-	-
Radio Chains	2 x 2:2	4 x 4:4	2 x 2:2	2 x 2:2	4 x 4:4	2 x 2:2
Tx Power (2.4 GHz)	21 dBm	25 dBm	23 dBm	23 dBm	24 dBm	26 dBm
Tx Power (5 GHz)	22 dBm	24 dBm	23 dBm	25 dBm	24 dBm	26 dBm
Tx Power (6 GHz)	-	24 dBm	-	-	-	-
Antennas (2.4 GHz)	2 x 3 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	2 x 5 dBi External Omni
Antennas (5 GHz)	2 x 4 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	2 x 7 dBi External Omni
Antennas (6 GHz)	-	4 x 5 dBi Omni	-	-	-	-
PoE Standard	802.3at	802.3bt	802.3af/at	802.3af/at	802.3at/bt	802.3at
Scanning Radio	-	●	-	-	-	-
BLE	-	●	-	-	-	-
Power Consumption (Peak)	DC In 26W, PoE in 18W	37W	12.6W	15.9W	46W	TBD
Ethernet Port	1x 2.5GE PoE++port 4x 10GE 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	1x 2.5GE PoE+ port 1x 2.5GE port
Mounting	Wall	Wall/ Ceiling	Wall/ Pole	Wall/ Pole	Wall/Pole	Wall/Pole
IP Rating	N/A	N/A	IP67	IP67	IP68	IP66
Dimensions	110 x 130 x 39.1mm	230 x 230 x 39.5mm	112 x 173 x 30 mm	124 x 190 x 52.5 mm	218 x 285 x 53 mm	152 x 220 x 44 mm
Mesh Technology	●	●	●	●	●	●
Mobile app (Cloud To-Go)	●	●	●	●	●	●


EnGenius Cloud Switch




Gigabit Switch						
						
Model Name	L2Plus 8 PoE	L2Plus 8 Full PoE	L2Plus 24	L2Plus 24 PoE	L2Plus 24 Full PoE	L2Plus 48
Model Number	ECS1008P	ECS1112FP	ECS1528T	ECS1528P	ECS1528FP	ECS1552
Switch Class	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+
Gigabit Ethernet Ports	8	10	24	24	24	48
Multi-Gigabit Ethernet Ports	-	-	-	-	-	-
SFP Ports	-	2	-	-	-	-
SFP+ Ports	-	-	4	4	4	4
RJ45 Console Port	-	●	●	●	●	●
Form Factor	9.45" (desktop)	13" 1U	13" 1U	19" 1U	19" 1U	19" 1U
Power-over-Ethernet	802.3af/at	802.3af/at	-	802.3af/at	802.3af/at	-
Total PoE Budget	55W	130W	-	240w	410w	-
PoE Capable Ports	Ports 1-8	Ports 1-8	-	Ports 1-24	Ports 1-24	-
Switching Capacity	16Gbps	24Gbps	128Gbps	128Gbps	128Gbps	176Gbps
Packet Forwarding Rate (Mpps)	11.904Mpps	17.856Mpps	95.23Mpps	95.23Mpps	95.23Mpps	130.95Mpps
MAC Address Table	8K	8K	16K	16K	16K	32K
Packet Buffer Memory	512KB	512KB	1.5MB	1.5MB	1.5MB	2MB
Full load Power consumption	62.05 Watts	152.8 Watts	24.41 Watts	297.6 Watts	500.46 Watts	43.92 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

Gigabit Switch	Multi-G Switch					
						
Model Name	L2Plus 48 PoE	L2Plus 48 Full PoE	MGPlus 8 Full PoE	MGPlus 8	MGPlus 8 Full PoE	MGPlus 24 Full PoE
Model Number	ECS1552P	ECS1552FP	ECS2510FP	ECS2512	ECS2512FP	ECS2528FP
Switch Class	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+
Gigabit Ethernet Ports	48	48	-	-	-	16
Multi-Gigabit Ethernet Ports	-	-	8x2.5G	8x2.5G	8x2.5G	8x2.5G
SFP Ports	-	-	-	-	-	-
SFP+ Ports	4	4	2	4	4	4
RJ45 Console Port	●	●	●	●	●	●
Form Factor	19" 1U	19" 1U	13" 1U	13" 1U	13" 1U	19" 1U
Power-over-Ethernet	802.3af/at	802.3af/at	802.3af/at	-	802.3af/at/bt	802.3af/at
Total PoE Budget	410w	740w	240w	-	240w	410w
PoE Capable Ports	Ports 1-48	Ports 1-48	Ports 1-8	-	Ports 1-8	Ports 1-24
Switching Capacity	176Gbps	176Gbps	80Gbps	120Gbps	120Gbps	152Gbps
Packet Forwarding Rate (Mpps)	130.95Mpps	130.95Mpps	59.52 Mpps	89.29 Mpps	89.29 Mpps	113.10 Mpps
MAC Address Table	32K	32K	16k	16k	16k	16k
Packet Buffer Memory	2MB	2MB	512KB	512KB	512KB	1.5MB
Full load Power consumption	476.3 Watts	885 Watts	270.47 Watts	23.52 Watts	299 Watts	499.85 Watts
*PoE Extended Mode	●	●	-	-	-	●
PD Lifeguard	●	●	-	-	-	●
Continuous PoE Power	●	●	-	-	-	●
Dimension	440mm x 310mm x 44mm	440mm x 310mm x 44mm	330mm x 230mm x 44mm	330mm x 230mm x 44mm	330mm x 230mm x 44mm	440mm x 260mm x 44mm




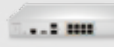
EnGenius Cloud Switch

Multi-G Switch						
						
Model Name	MGPlus 48 Full PoE	Aggregate 8XG	Aggregate 8XG Full PoE	Aggregate 12	MGLite 5	MGLite 8
Model Number	ECS2552FP	ECS5512	ECS5512FP	ECS5512F	ECS205L	ECS208L
Switch Class	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Websmart	Websmart
Gigabit Ethernet Ports	32	-	-	-	-	-
Multi-Gigabit Ethernet Ports	16x2.5G	8 x 10G	8 x 10G	-	5 x 2.5G	8 x 2.5G
SFP Ports	-	-	-	-	-	-
SFP+ Ports	4	4	4	12	-	-
RJ45 Console Port	●	●	●	●	●	●
Form Factor	19" 1U	13" 1U	13" 1U	Half Rack	6.7" (desktop)	6.7" (desktop)
Power-over-Ethernet	802.3af/at	-	802.3af/at/bt (up to 90W)	-	-	-
Total PoE Budget	740w	-	410w	-	-	-
PoE Capable Ports	Ports 1-48	-	Ports 1-8	-	-	-
Switching Capacity	224Gbps	240Gbps	240Gbps	240Gbps	25Gbps	40Gbps
Packet Forwarding Rate (Mpps)	166.67 Mpps	178.57 Mpps	178.57 Mpps	178.57 Mpps	18.6 Mpps	29.76 Mpps
MAC Address Table	32k	32k	32k	32k	4K	4K
Packet Buffer Memory	2MB	2MB	2MB	2MB	1MB	1MB
Full load Power consumption	913 Watts	29.22 Watts	410.35 Watts	43.4 Watts	(TBD)	(TBD)
*PoE Extended Mode	●	-	-	-	●	●
PD Lifeguard	●	-	-	-	●	●
Continuous PoE Power	●	-	-	-	●	●
Dimension	330mm x 310mm x 44mm	330mm x 230mm x 44mm	330mm x 230mm x 44mm	210mm x 230mm x 44mm	170mm x 105mm x 27mm	170mm x 105mm x 27mm

Multi-G Switch	
	
Model Name	MGPlus 24 Full PoE 6 SFP+
Model Number	ECS2530FP
Switch Class	Layer 2+
Gigabit Ethernet Ports	-
Multi-Gigabit Ethernet Ports	24x2.5G
SFP Ports	-
SFP+ Ports	6
RJ45 Console Port	●
Form Factor	19" 1U
Power-over-Ethernet	802.3af/at/bt
Total PoE Budget	740w
PoE Capable Ports	Ports 1-16 at Ports 17-24 bt
Switching Capacity	240Gbps
Packet Forwarding Rate (Mpps)	178.57 Mpps
MAC Address Table	16k
Packet Buffer Memory	1.5MB
Full load Power consumption	873.73 Watts
*PoE Extended Mode	-
PD Lifeguard	●
Continuous PoE Power	●
Dimension	440mm x 260mm x 44mm

Switch Extender			
			
Model Name	Extender 4 PoE	Extender 4GE 1 SFP	Extender 3GE 4 PoE 1SFP
Model Number	EXT1105P	EXT1106P	EXT1109P
Switch Class	Websmart	Websmart	Websmart
Gigabit Ethernet Ports	5	5	8
Multi-Gigabit Ethernet Ports	-	-	-
SFP Ports	-	1	1
SFP+ Ports	-	-	-
RJ45 Console Ports	-	-	-
Form Factor	6.7" (desktop)	4.92" (desktop)	9.45" (Desktop)
Power-over-Ethernet	802.3 af/at	-	802.3 af/at
Total PoE Budget	Up to 60w	-	Up to 60w
PoE Capable Ports	Ports 2-5	-	Ports 2-5
Switching Capacity	10Gbps	12Gbps	18Gbps
Packet Forwarding Rate	7.44 Mpps	8.93 Mpps	13.39 Mpps
MAC Address Table	8k	8k	8k
Packet Buffer Memory	512KB	512KB	512KB
Full load Power consumption	69.36 Watts	4.57 Watts	64.27 Watts
PoE Extended Mode	-	-	-
PD Lifeguard	-	-	-
Continuous PoE Power	●	●	●
Dimensions	170mm x 105mm x 27mm	125 mm x 73.9 mm x 28 mm	240 mm x 105 mm x 27 mm
Cloud Managed Mode	●	●	●
FitXpress Managed Mode	●	●	●
Fitcon Mode	Future	Future	Future
Standalone Mode	-	-	-

EnGenius Cloud VPN Firewall

VPN Firewall				
				
Model Name	Gateway3 4G 1SFP	Gateway5 4mG	Gateway6 4mG	Gateway6 8mG 2SFP+
Model Number	ESG320	ESG510	ESG610	ESG620
Processor	Dual Core	Quad Core	Quad Core	Quad Core
Operating Frequency	2.1GHz	1.6GHz	2.2GHz	2.2GHz
Memory	4GB	4GB	8GB (v1) 4GB (v2)	8GB (v1) 4GB (v2)
Flash Storage	8GB	8GB	8GB	16GB
RJ-45 Interface	4 x 1G	4 x 2.5G	4 x 2.5G	8 x 2.5G
SFP interface	1xSFP	-	-	2 x SFP+
PoE ports	1	1	1	4
PoE Standard	802.3 af/at	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	1 x RJ-45 console/1 x USB 3.0
Mounting Method	Wall mount	Wall mount	Wall mount	Rack mount
Firewall (SPI throughput)	3G	4G	6.8G(**)	6.8G(**)
VPN throughput	900M	970M	1.5G(**)	1.5G(**)
Max. Concurrent VPN Tunnels	100	200	300(**)	300(**)
Max. Concurrent VPN Users*	50	250	380(**)	380(**)
Max. TCP Concurrent Sessions	1,000,000	1,000,000	1,250,000 (v1) 1,000,000 (v2)	1,250,000 (v1) 1,000,000 (v2)
Max VLAN	16	96	160(**)	160(**)
IPS Throughput	650 M	700 M	1.2G	1.2G
Power	54V/1.2A	54V/1.2A	54V/1.2A	internal 300w power
Operation Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C
Humidity (non-condensing)	5 to 95% 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	210 x 179.5 x 35 mm	330 x 230 x 44 mm
Package Contents	- Power Adapter - Power Cord - RJ-45 Console Cable - Wall Mount Kit - Product Card	- Power Adapter - Power Cord - RJ-45 Console Cable - Wall Mount Kit - Product Card	- Power Adapter - Power Cord - RJ-45 Console Cable - Wall Mount Kit - Product Card	- Power Cord - RJ-45 Console Cable - Rack Mount Kit - Product Card
Regulatory Compliance	- FCC Part 15 (Class B) - IC - CE EMC - CB - UL	- FCC Part 15 (Class B) - IC - CE EMC - CB - UL	- FCC Part 15 (Class B) - IC - CE EMC - CB - UL	- FCC Part 15 (Class B) - IC - CE EMC - CB - UL




*The test methodology is based on RFC2544 to have maximum throughput. Actual performance may be different under different testing condition and services enabled

**The performance no are estimated number for reference only. Specifications are subject to change with final test results


EnGenius Cloud AI Camera

Camera			
			
Model Name	Cam5MP Dome IP67 256GB	Cam5MP Dome IP67	Cam5MP Bullet IP66 256GB
Model Number	ECC100	ECC100Z	ECC120
Sensor	1/2.8" Sony Starvis 5MP CMOS	1/2.8" Sony Starvis 5MP CMOS	1/2.8" Sony Starvis 5MP CMOS
Lens	Fixed 3.16mm	Fixed 3.16mm	Fixed 4mm
View Angle	H: 102°, V: 71.6°, D: 132°	H: 102°, V: 71.6°, D: 132°	H: 78°, V: 56°, D: 103°
Night Vision	Built-in IR LED illumination and IR cut filter	Built-in IR LED illumination and IR cut filter	Built-in IR LED illumination and IR cut filter
IR Distance	>20m / 66ft	>20m / 66ft	30m / 98ft
Lens Adjustment Range	Manual, Pan: 0° ~ 350°, Tilt: 0° ~ 90°, Roll: 0° ~ 350°	Manual, Pan: 0° ~ 350°, Tilt: 0° ~ 90°, Roll: 0° ~ 350°	Manual, Pan: 0°~90°, Tilt: 0°~90°, Roll: 0°~180°
Resolution	5MP 2592 x 1944 (4:3)	5MP 2592 x 1944 (4:3)	5MP 2592 x 1944 (4:3)
Frame Rate	20 FPS	20 FPS	20 FPS
Video Compression	H.265, H.264	H.265, H.264	H.265, H.264
Streaming Bitrate	768Kbps ~ 2.5Mbps (Optional)	768Kbps ~ 2.5Mbps (Optional)	768Kbps, 1.5Mbps, 2Mbps (Optional)
Video Processing	AE, AWB, AGC, BLC, HLC, WDR, HDR, 3DNR, Privacy Mask, OSD, Video Orientation	AE, AWB, AGC, BLC, HLC, WDR, HDR, 3DNR, Privacy Mask, OSD, Video Orientation	AE, AWB, AGC, BLC, HLC, WDR, HDR, 3DNR, Privacy Mask, OSD, Video Orientation
Audio Format	AAC, G.711	AAC, G.711	-
Microphone	Built-in, 5m / 15ft distance	Built-in, 5m / 15ft distance	Not supported
Speaker	Not supported	Not supported	Not supported
AI NPU	Built-in	Built-in	Built-in
People Detection and Tracking	History search, People counting	History search, People counting	History search, People counting
Vehicle Detection and Tracking	History search, Vehicle counting	History search, Vehicle counting	History search, Vehicle counting
Tampering Detection	Event alert	Event alert	Event alert
Restricted Area Detection	Event alert, Object counting	Event alert, Object counting	Event alert, Object counting
Cross Line Detection	Event alert, Object counting	Event alert, Object counting	Event alert, Object counting
Facial Recognition	-	-	-
EnGenius Cloud AI	Support	Support	Support
Storage Size	256GB on board	-	256GB on board
Retention Method	24/7 seamless, Auto Recycling	24/7 seamless, Auto Recycling	24/7 seamless, Auto Recycling
Retention Days	Based on video quality and bitrate: 18 days (768kbps), 14 days (1.5Mbps), 7 days (2Mbps)	-	Based on video quality and bitrate: 18 days (Good 768kbps), 14 days (1.5Mbps), 7 days (2Mbps)
Recording Encryption	-	-	-
Storage Redundancy	Support EnGenius NVS and Cloud storage	Support EnGenius NVS and Cloud storage	Support EnGenius NVS and Cloud storage
LED Indicator	System power and status indicator	System power and status indicator	System power and status indicator
RTSP	Supported	Supported	Supported
Reset Button	Internal	Internal	External line
Networking Interface	10/100 MbE RJ45 port	10/100 MbE RJ45 port	10/100 MbE RJ45 port
Power Method	PoE 802.3af Class 3	PoE 802.3af Class 3	PoE 802.3af Class 3
Max. Power Consumption	6.5W	6.5W	7.5W
Operating Temperature	-20°C ~ 50°C / -4°F ~ 122°F	-20°C ~ 50°C / -4°F ~ 122°F	-20°C ~ 50°C / -4°F ~ 122°F
Humidity	98%	98%	98%
Certifications	CE, FCC	CE, FCC	CE, FCC
Enclosure material	Aluminum alloy, Polycarbonate	Aluminum alloy, Polycarbonate	Polycarbonate
Weatherproofing	IP67	IP67	IP66
Resistance	IK10	IK10	-
Dimensions	Ø121.7 x 94.8 mm (Ø4.79 x 3.73")	Ø121.7 x 94.8 mm (Ø4.79 x 3.73")	Ø76x 200 mm (Ø2.99 x 7.88")
Weight	525g / 18.5oz	525g / 18.5oz	330g / 11.64oz
Web Browser	Chrome, Safari, Edge	Chrome, Safari, Edge	Chrome, Safari, Edge
Mobile App	Cloud To-Go on iOS and Android	Cloud To-Go on iOS and Android	Cloud To-Go on iOS and Android

EnGenius Cloud AI Camera

Camera			
			
Model Name	Cam5MP Bullet IP66	Cam8MP Dome IP67 512GB	Cam8MP Dome IP67 NS
Model Number	ECC120Z	ECC500	ECC500Z
Sensor	1/2.8 " Sony Starvis 5MP CMOS	1/2.8 " Sony Starvis 8MP CMOS	1/2.8 " Sony Starvis 8MP CMOS
Lens	Fixed 4mm	Varifocal 3.2 ~ 10.5mm motorized zoom, Remote zoom, AF	Varifocal 3.2 ~ 10.5mm motorized zoom, Remote zoom, AF
View Angle	H: 78°, V: 56°, D: 103°	H: 108.1° ~ 30.3°, V: 56.3° ~ 17.1°, D: 130.9° ~ 34.8°	H: 108.1° ~ 30.3°, V: 56.3° ~ 17.1°, D: 130.9° ~ 34.8°
Night Vision	Built-in IR LED illumination and IR cut filter	Built-in IR LED illumination and IR cut filter	Built-in IR LED illumination and IR cut filter
IR Distance	30m / 98ft	30m / 98ft	30m / 98ft
Lens Adjustment Range	Manual, Pan: 0°~90°, Tilt: 0°~90°, Roll: 0°~180°	Manual, Pan: 0° ~ 350°, Tilt: 0° ~ 60°, Roll: 0° ~ 350°	Manual, Pan: 0° ~ 350°, Tilt: 0° ~ 60°, Roll: 0° ~ 350°
Resolution	5MP 2592 x 1944 (4:3)	8MP 3840x2160 (16:9)	8MP 3840x2160 (16:9)
Frame Rate	20 FPS	20 FPS	20 FPS
Video Compression	H.265, H.264	H.265, H.264, Smart Stream	H.265, H.264, Smart Stream
Streaming Bitrate	768Kbps ~ 2.5Mbps (Optional)	600Kbps ~ 6Mbps (Optional, Adaptive)	600Kbps ~ 6Mbps (Optional, Adaptive)
Video Processing	AE, AWB, AGC, BLC, HLC, WDR, HDR, 3DNR, Privacy Mask, OSD, Video Orientation	AE, AWB, AGC, BLC, LDC, WDR, HDR(120dB), 3DNR, Privacy Mask, OSD, Video Orientation	AE, AWB, AGC, BLC, LDC, WDR, HDR(120dB), 3DNR, Privacy Mask, OSD, Video Orientation
Audio Format	-	AAC, G.711	AAC, G.711
Microphone	Not supported	Built-in, 5m / 15ft distance	Built-in, 5m / 15ft distance
Speaker	Not supported	Not supported	Not supported
AI NPU	Built-in	Built-in	Built-in
People Detection and Tracking	History search, People counting	History search, People counting	History search, People counting
Vehicle Detection and Tracking	History search, Vehicle counting	History search, Vehicle counting	History search, Vehicle counting
Tampering Detection	Event alert	Event alert	Event alert
Restricted Area Detection	Event alert, Object counting	Event alert, Object counting	Event alert, Object counting
Cross Line Detection	Event alert, Object counting	Event alert, Object counting	Event alert, Object counting
Facial Recognition	-	History search, Search by Photo, Target alert, Tracking Timeline	History search, Search by Photo, Target alert, Tracking Timeline
EnGenius Cloud AI	Support	Support	Support
Storage Size	-	512GB on board	-
Retention Method	24/7 seamless, Auto Recycling	24/7 seamless, Auto Recycling	24/7 seamless, Auto Recycling for external storage
Retention Days	-	30 days	-
Recording Encryption	-	AES256	AES256
Storage Redundancy	Support EnGenius NVS and Cloud storage	Support EnGenius NVS and Cloud storage	Support EnGenius NVS and Cloud storage
LED Indicator	System power and status indicator	System power and status indicator	System power and status indicator
RTSP	Supported	Supported	Supported
Reset Button	External line	Internal	Internal
Networking Interface	10/100 MbE RJ45 port	10/100/1000 MbE RJ45 port	10/100/1000 MbE RJ45 port
Power Method	PoE 802.3af Class 3	802.3at PoE+	802.3at PoE+
Max. Power Consumption	7.5W	16.1W	16.1W
Operating Temperature	-20°C ~ 50°C / -4°F ~ 122°F	-40°C ~ 60°C / -40°F ~ 140°F	-40°C ~ 60°C / -40°F ~ 140°F
Humidity	98%	5 ~ 90%	5 ~ 90%
Certifications	CE, FCC	CE, FCC	CE, FCC
Enclosure material	Polycarbonate	Aluminum alloy, Polycarbonate	Aluminum alloy, Polycarbonate
Weatherproofing	IP66	IP67	IP67
Resistance	-	IK10	IK10
Dimensions	Ø76x 200 mm (Ø2.99 x 7.88")	Ø145 x 105 mm (Ø5.71x 4.14")	Ø145 x 105 mm (Ø5.71x 4.14")
Weight	330g / 11.64oz	740g / 26.11oz	740g / 26.11oz
Web Browser	Chrome, Safari, Edge	Chrome, Safari, Edge	Chrome, Safari, Edge
Mobile App	Cloud To-Go on iOS and Android	Cloud To-Go on iOS and Android	Cloud To-Go on iOS and Android

EnGenius Cloud AI NVS

NVS	
	
Model Name	AI NVS 4Bay Tower
Model Number	EVS1004D
Max Camera Connection	16 cameras
Camera Resolution	FHD, 4MP, 5MP, 4K
Camera Interface	ONVIF Profile S, RTSP, EnGenius
RAID	RAID 1/5/6
Storage Retention	24/7 seamless recording and retention
Max AI Empower	2 cameras
Processor	Intel Elkhart Lake x6211E
Memory	8GB
Flash	16GB
Security	TPM v2.0
Drive Interface	SATA 3.0 x 4
Networking Interface	10GbE RJ45 x 1, 1GbE RJ-45 x 1
Display	HDMI 1.4b x 1
USB Port	3.0 Type A x 4, 2.0 Type A x 1
FAN Speed Control	Yes
Thermal Sensor	System x 1, CPU x 1
Buzzer	Yes
Button	Power, Function
LED Indicator	Power x 1, Function x 1, HDD x 4
Power Supply	DC12V@7.5A
Max. Power Consumption	140W
Ambient Operating Temperature	0~50°C (32~122°F)
Ambient Operating Humidity	10~85% RH
People Detection and Tracking	<ul style="list-style-type: none"> • Event detection • Smart Motion Search • People Counting
Vehicle Detection and Tracking	<ul style="list-style-type: none"> • Event detection • Smart Motion Search • Vehicle Counting
EnGenius Cloud AI	<ul style="list-style-type: none"> • Natural Language Search • Contextual AI Analysis • SD-Alert
Kensington Slot	Yes
Enclosure Material	Aluminium alloy, Polycarbonate
Dimensions (L x W x H)	179.6 x 227.5 x 157.0 mm
Weight	2.647Kg
Web Browser	Chrome, Safari, Edge
Mobile App	Cloud To-Go on iOS and Android

EnGenius Cloud PDU

PDU				
				
Model Name	PDU 6P 12A 100-120V	PDU 14P 12A 100-120V	PDU 6P 10A 200-240V	PDU 12P 10A 200-240V
Model Number	ECP106	ECP214	ECP106-INT	ECP212-INT
Dimensions	440 x 44 x 70 mm	440 x 88 x 88 mm	440 x 44 x 85 mm	440 x 88 x 101.9 mm
Weight	1035 g	2430 g	1124 g	2460 g
Enclosure Material	AL6063	SECC	AL6063	SECC
Networking Interfaces	(2) 10/100/1000 BASE-T	(2) 10/100/1000 BASE-T	(2) 10/100/1000 BASE-T	(2) 10/100/1000 BASE-T
Management Interface	Ethernet	Ethernet	Ethernet	Ethernet
Power Output	(6)NEMA-5-15R, 120V AC, 15A max.,60Hz	(14)NEMA-5-15R, 120V AC, 15A max.,60Hz	(6)IEC-C13, 200-240V AC, 10A max.,50/60Hz	(12)IEC-C13, 200-240V AC, 10A max.,50/60Hz
Power Method	100-120VAC, 12A max.,50/60Hz	100-120VAC, 12A max.,50/60Hz	200-240VAC, 10A max.,50/60Hz	200-240VAC, 10A max.,50/60Hz
Max. Power Consumption	1440W for 120V AC	1440W for 120V AC	2400W for 240VAC	2400W for 240VA
Buttons	(1) Factory Reset (1) Circuit Breaker (1)Outlet Power Button (2)LCD Control Buttons	(1) Factory Reset (1) Circuit Breaker (1)Outlet Power Button (2)LCD Control Buttons	(1) Factory Reset (1) Circuit Breaker (1)Outlet Power Button (2)LCD Control Buttons	(1) Factory Reset (1) Circuit Breaker (1)Outlet Power Button (2)LCD Control Buttons
Protection	Surge Protection Gounded Protection	Surge Protection Gounded 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	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: 0°C ~ +45°C	Operating: 0°C ~ +45°C
Operating Humidity	Humidity 5% ~ 95% RH Non-condensing	Humidity 5% ~ 95% RH Non-condensing	Humidity 5% ~ 95% RH Non-condensing	Humidity 5% ~ 95% RH Non-condensing
Certifications	FCC, IC, UL1449 type5, UL62368-1,CSA22.2	FCC, IC, UL1449 type5, UL62368-1,CSA22.2	CE,RCM,UL 62368-1	CE,RCM,UL 62368-1

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