EnSky On-Premise Management

## Versatile On-Premise Central Management Solution

A flexible and highly scalable network management system, in which all distributed networks can be linked together to form a unified network.

EnGenius Wireless Management system is a flexible, robust, and affordable solution designed for deploying on the versatile application which could handle multi-requirements to fulfill customers' desire from pro-users to large scope deployment under a corporate easily and intuitionally.

The highly flexible, scalable, fully integrated solution offers simplified configuration and management with enterprise-class performance, feature-rich Managed Access Points, switches and ezMaster™ Centralized Network Management, at an incredible price point— **with No AP licensing, subscription or technical support fees.**

Features & Benefits

- Complete Scalability: Deploy your devices from 1~10000 pcs for both small office and cross-region management

- Deploy ezMaster via virtual machine (VM) player or Amazon Web Service (AWS) AMI

- Free Licensing fee on devices, No annual subscription fee, No technical support fee

- Owner Orientation: Low CAPEX and OPEX when deployment and maintenance

- Optimize Wireless Performance: Intelligent background scanning and detection mechanism to optimize network structure in your network

- Secure and advanced Captive Portal and Hotspot functions for Securable Network and single site-on access for users

- Simplified Deployment & Provisioning: Proceed group configuration and scheduling tasks for your devices

- Rich Reporting & Analytics: Prioritize usage and status of client devices to implement further diagnosis and management

- Multi-Tenant Access for different levels of users

- Enteprise-level mesh: Intelligent learning technology to optimize the routing path under a mesh network
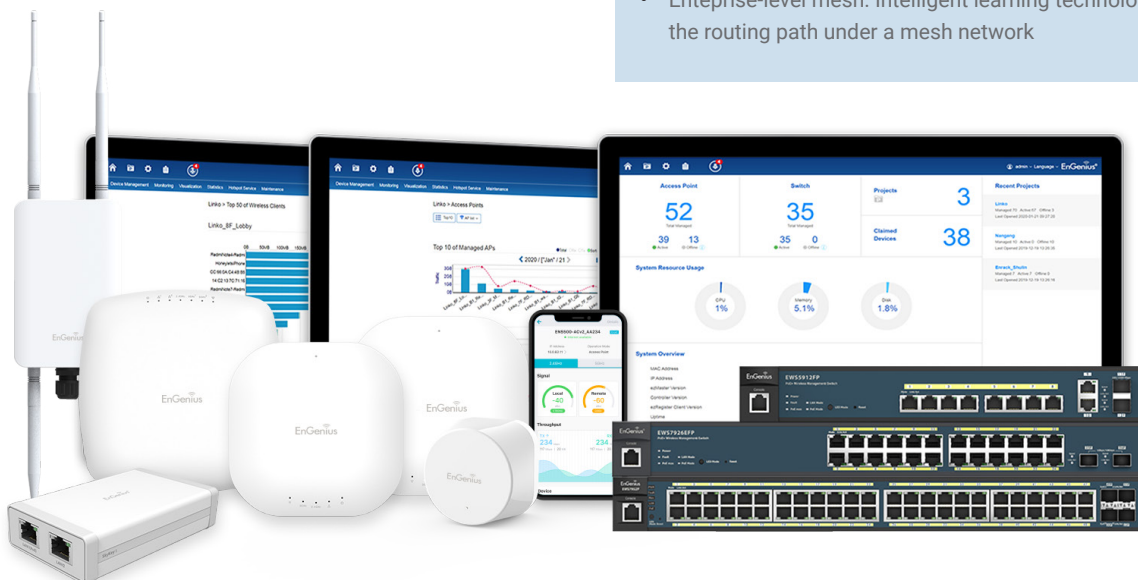
# Empower Local or Remote Management with EnSky

SkyKey - Hardware Network Controller

EnGenius EnSky makes centralized network management easy. You can deploy, monitor, and manage any number of devices across borders. The simple and edge design could realize plug and play easily without complicated installation on your personal computers or servers. SkyKey series can be worked with EnGenius PoE switches or other ones throughout Ethernet, as well as stacked on rack or desktop easily.

ezMaster - Management Software

ezMaster Management Software in different installations allow branch offices and managed service providers to manage Access Points and PoE switches across an unlimited number of independent distributed networks in the same subnet or cross-subnet.
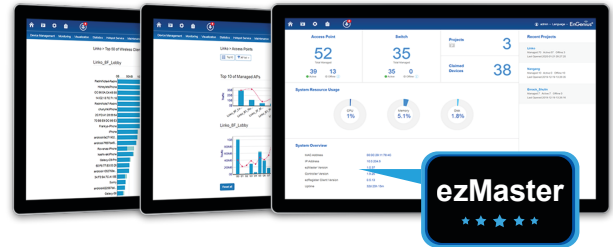
Manage Networks Smarter with EnSky Solution

	SINGLE SITE	MULTIPLE SITES	REMOTE SITES
	Same Subnet	Cross-subnet	Over Internet
Management platform	SkyKey controller	ezMaster with local server	ezMaster with AWS
Suggested number of AP	≤ 100 APs	≤ 1,000 APs	≤ 10,000 APs
Target consumer	Budget hotel, office, and wired campus	Large campuses, multi-network deployments, and chain stores	Citywide hotspots, international hubs, and chain offices

EnGenius EnSky

An End-to-End Solution for Business

The EnSky solution focuses on implementing the optimal infrastructure based on different business needs in a smart and efficient way. Taking you from plan and deploy, to monitor and manage a network, EnSky offers highly flexible, scalable, and fully integrated features with enterprise-class performance.

PLAN	DEPOLY	MANAGE
ezWiFi Planner	AP & Switch	ezMaster & SkyKey
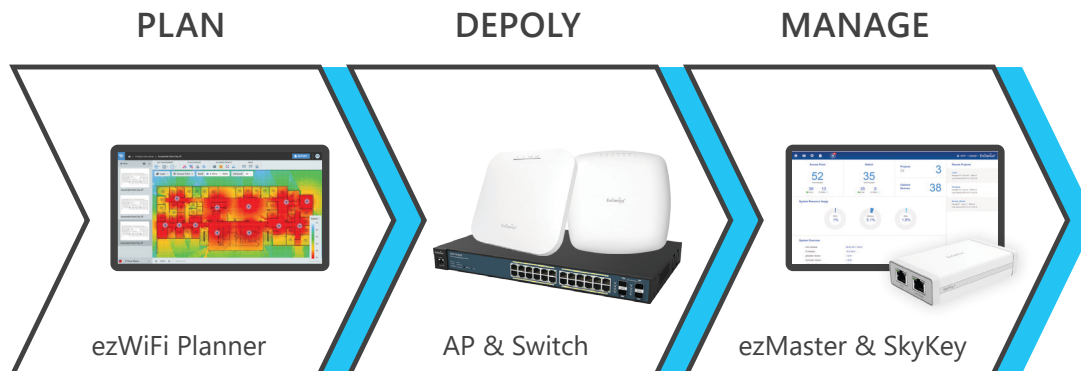
Network Planning

The ezWiFi Planner simulates an optimal wireless network layout for your deployment plans in real time.

Visualized Network Plan

Upload your floor plan and begin modelling your project including coverage and exclusion zones, designate areas by type, and building materials. The ezWiFi Planner algorithms intelligently calculate coverage for optimal access point placement.
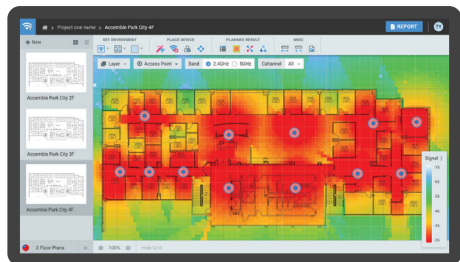
Data-Driven Reporting for Proposals

Create a positive first impression for your clients. The ezWiFi Planner generates customizable reports to include floor plan overviews, AP placement location, access point model data, and signal coverage scenarios.
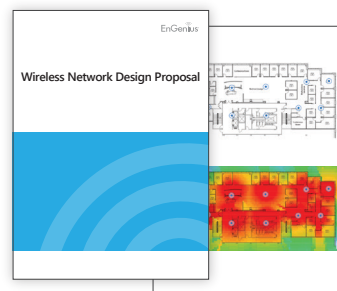
Network Deployment

Put your plan into action for all your devices, with one-click configuration for rapid deployment

Rapidly Deploy From Anywhere

Deploy smarter by implementing your network designs from ezWiFi Planner and secure critical network requirements with the EnGenius EnSky comprehensive line of hardware, software, and mobile app tools.

Group Settings for Multiple

EnSky Solution's management platform prompts users to provide configuration and management for the following parameters: SSID based WLAN Settings, mesh settings, and wireless radio settings.

A PoE Switch and a Controller Switch

Your switch can play a role as an intermediate connection coordinator when managed by ezMaster or SkyKey for general settings, port settings, and power budget settings.

Guest Wi-Fi Customization

EnSky Solution's management platform prompts users to provide configuration and management for the following parameters: SSID based WLAN Settings, mesh settings, and wireless radio settings.
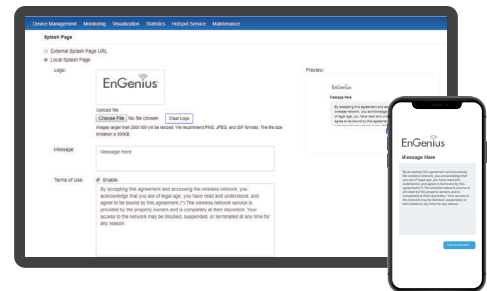
EnWiFi App

Quickly initiate a configuration

EnWiFi is a simple Wi-Fi configuration and management tool for EnGenius outdoor and indoor Wi-Fi devices. Users can configure devices on-site and monitor the installed or deployed devices on their smartphones or tablets.
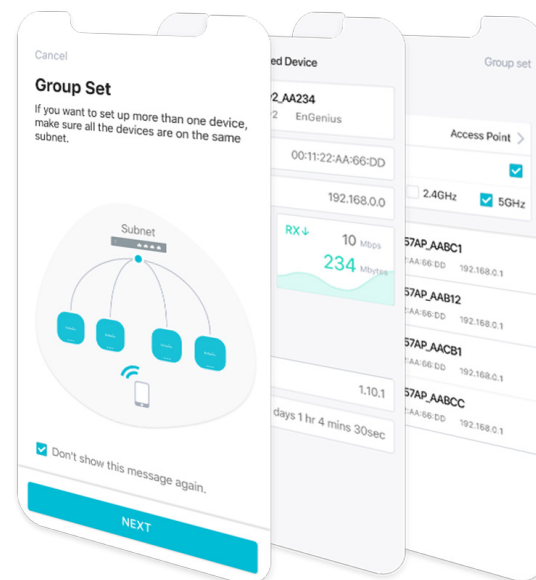
Network Management

Put your plan into action for all your devices, with one-click configuration for rapid deployment

Distributed Network Deployment

Deploy locally, remotely, or via the Internet. EnSky offers options for managing your network with the EnGenius platform.

Radio Frequency Management Suite

EnSky Solution offers a host of RF management setting features to optimize your network's performance. Features include fast roaming, whitelisting and blacklisting, band steering, and traffic shaping.

Wi-Fi Availability and Scheduling

Wi-Fi access control, whitelisting, and blacklisting options are provided to allow or restrict access from separate groups of users. Scheduling is available for rebooting, SSID availability, and firmware upgrades.
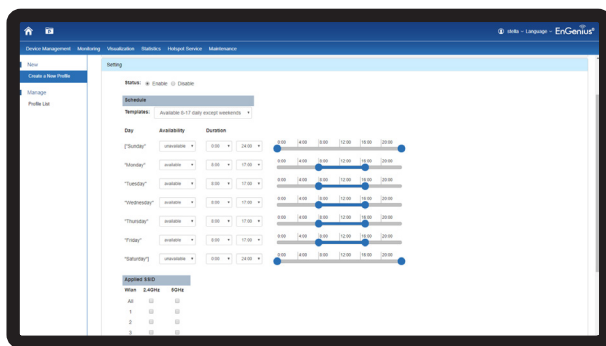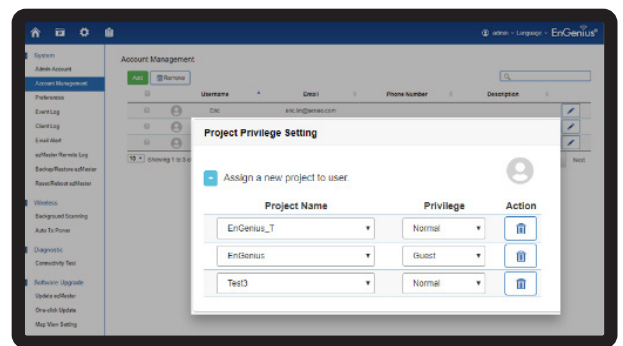
Complete Scalability

Start small and scale-out a network or networks across separate buildings, regions, and countries with a minimum of hassle.

Unlimited Flexibility

ezMaster network management software empowers you to set up and maintain multiple customer sites to save time and reduce the operational costs of site visits.

Manage in a More Granular Way

EnSky Solution's management platform is a multi-tenant system for ease of system maintenance and management. Access is governed by user privileges for flexible device assignment and multi-tenant administration for different projects.

Visualized Monitoring

View your network through a comprehensive dashboard. The network health check monitors all key status indicators and alerts you to abnormal network behavior.

Unlimited Flexibility

Start small and scale-out a network or networks across separate buildings, regions, and countries with a minimum of hassle.
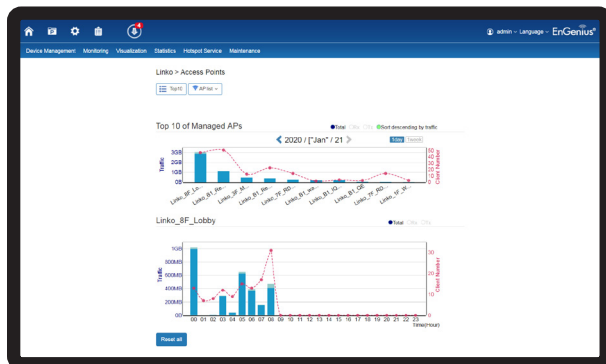
Topology View

Show the relationships between your devices, switch ports and AP device information, connected client number, IP address, and wireless operating channels.
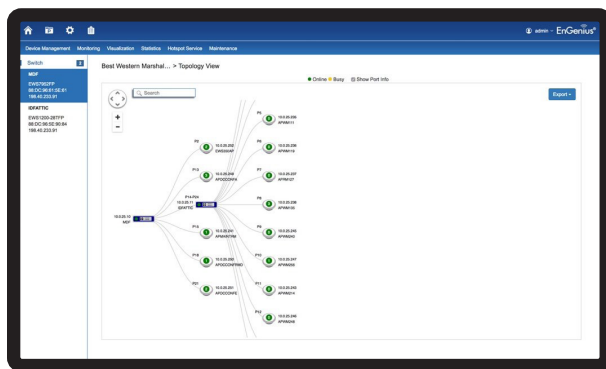
Statistics View

Pinpoint and address potential problems before they affect users with invaluable reporting, analytics, and real-time monitoring tools.
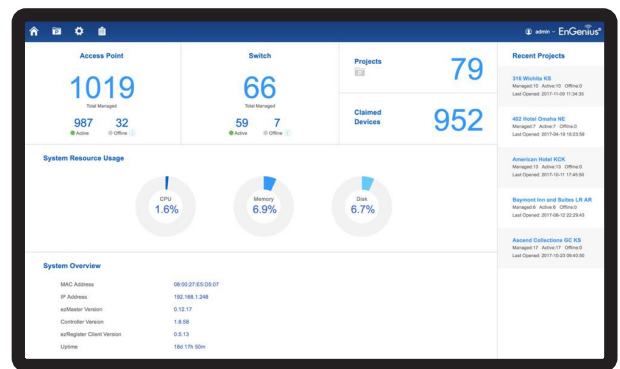

Floor Plan

EnSky features RSSI simulation tools, so users can preview AP coverage and anticipate potential blind spots on their uploaded floor plan with floor view.
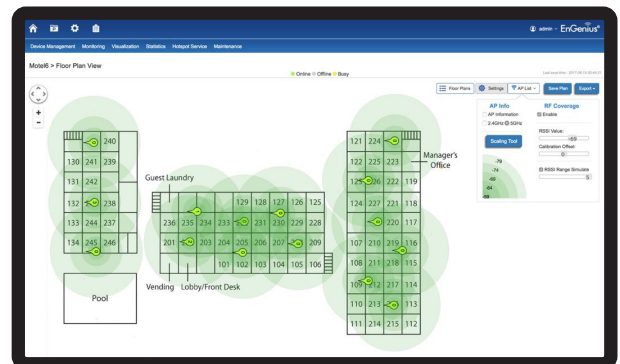
Real-Time Dashboard

Get insights at a glance into your network's health. Drill down to discover potential problem areas with switches, access points, or client devices.


Wireless Coverage Display

Indicates the coverage of indoor access points for Wi-Fi planning purposes, and displays the reference signal strength.
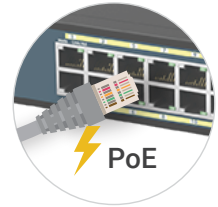
SkyKey

Network Management without Complex Configuration

The plug-and-play SkyKey I can manage up to 100 EnGenius access points or switches directly with built-in ezMaster software.

ezMaster Built-in ⭐⭐⭐⭐⭐

ezMaster built-in
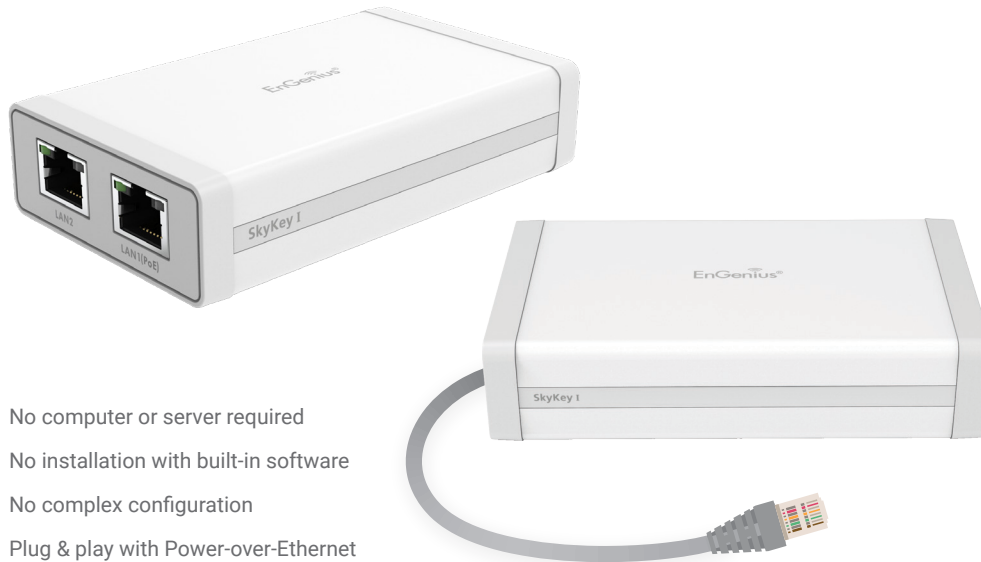
🧲 Magnetic

- No computer or server required
- No installation with built-in software
- No complex configuration
- Plug & play with Power-over-Ethernet
- Compact and magnetic design

Software Features of On-Premises Management (SkyKey & ezMaster)

Centralized Management

- Configure, Managed & Monitor 1,000+ Devices
- Cross-Network AP Management
- AP Group Configuration

Access Point Configuration & Management

- Auto Channel Selection
- Auto Tx Power
- Background Scanning
- Band Steering (Auto Band Steering & Band Balancing)
- Client Isolation
- Client Limiting
- Fast Roaming

- L2 Isolation
- LED On/Off Control
- Multiple SSID
- RSSI Threshold
- Remove Guest Network
- Traffic Shaping
- VLAN Isolation
- VLAN Tag

Comprehensive Monitoring

- Device Status Monitoring
- Floor Plan View
- Map View
- Rogue AP Detection

- System Status Monitoring
- Visual Topology View
- Wireless Client Monitoring
- Wireless Coverage View
- Wireless Traffic & Usage Statistics

Management & Maintenance

- Bulk Firmware Upgrade
- Captive Portal
- Email Alert
- ezRedundancy
- Block Clients
- One-Click Update
- Remote Logging

Supported Indoor Access Points

	Ceilling			
Model	EWS330AP	EWS355AP	EWS360AP	EWS385AP
Wi-Fi Standard	802.11a/b/g/n/ac Wave 2	802.11a/b/g/n/ac Wave 2	802.11a/b/g/n/ac	802.11a/b/g/n/ac Wave 2
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	400 Mbps	450 Mbps	400 Mbps
Data Rate (5 GHz)	867 Mbps	867 Mbps	1,300 Mbps	867 + 867 Mbps
Radio Chains	2 x 2:2	2 x 2:2	3 x 3:3	2 x 2:2
Tx Power (2.4 GHz)	26 dBm	23 dBm	28 dBm	20 dBm
Tx Power (5 GHz)	25 dBm	23 dBm	28 dBm	20 dBm
Antennas (2.4 GHz)	2 x 5 dBi	2 x 5 dBi	3 x 3 dBi	2 x 5 dBi
Antennas (5 GHz)	2 x 5 dBi	2 x 5 dBi	3 x 5 dBi	2 x 6 dBi
PoE Standard	802.3af/at	802.3af/at	802.3at	802.3af
Network Interface	1 x 10/100/1000 Ethernet Port	1 x 10/100/1000 Ethernet Port	1 x 10/100/1000 Ethernet Port	2 x 10/100/1000 Ethernet Ports
Mounting Type	Ceiling / Wall	Ceiling / Wall	Ceiling / Wall	Ceiling / Wall
Dimensions	Φ132 x 37mm	162 x 162 x 42 mm	162 x 162 x 42 mm	200 x 200 x 45 mm
Operating Modes	"AP/Mesh/WDS AP/WDS BR/ Repeater"	"AP/Mesh/WDS AP/WDS BR/ Repeater"	"AP/Mesh/WDS AP/WDS BR/ Repeater"	"AP/Mesh/WDS AP/WDS BR/ Repeater"
Mesh Technology	●	●	●	●
MU-MIMO	●	●	-	●
Beamforming	●	●	-	●
On-premise management (ezMaster)	●	●	●	●
Mobile app (EnWiFi App)	●	●	●	●

*Models vary depending on the region.

Supported Indoor Access Points

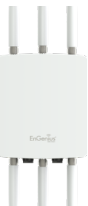|	Ceilling		Wall Plate
	Wi-Fi 6	Wi-Fi 6	
Model	EWS357AP	EWS377AP	EWS550AP
Wi-Fi Standard	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac Wave 2
Frequency	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz
Data Rate (2.4 GHz)	574 Mbps	1,148 Mbps	400 Mbps
Data Rate (5 GHz)	1,200 Mbps	2,400 Mbps	867 Mbps
Radio Chains	2 x 2:2	4 x 4:4	2 x 2:2
Tx Power (2.4 GHz)	22 dBm	23 dBm	21 dBm
Tx Power (5 GHz)	22 dBm	23 dBm	20 dBm
Antennas (2.4 GHz)	2 x 3 dBi	4 x 5 dBi	"2 x 4 dBi"
Antennas (5 GHz)	2 x 3 dBi	4 x 5 dBi	2 x 6 dBi
PoE Standard	802.3af/at	802.3at	"PoE: 802.3at PSE: 802.3af"
Network Interface	1 x 10/100/1000 Ethernet Port	1 x 10/100/1000/2500 Ethernet Port	3 x 10/100/1000 Ethernet Ports
Mounting Type	Ceiling / Wall	Ceiling / Wall	Wall Plate
Dimensions	160 x 160 x 27 mm	205 x 205 x 33 mm	188 x 125 x 26 mm
Operating Modes	AP/Mesh/WDS AP/WDS BR/ WDS STA	AP/Mesh/WDS AP/WDS BR/ WDS STA	AP/Mesh/WDS AP/WDS BR/ Repeater
Mesh Technology	●	●	●
MU-MIMO	●	●	-
Beamforming	●	●	-
On-premise management (ezMaster)	●	●	●
Mobile app (EnWiFi App)	●	●	●

*Models vary depending on the region.

Supported Outdoor Access Points

Model	ENS202EXT	ENS500EXT-AC	ENS620EXT	ENH1350EXT
Wi-Fi Standard	802.11b/g/n	802.11a/b/g/n/ac Wave 2	802.11a/b/g/n/ac Wave 2	802.11a/b/g/n/ac Wave 2
Frequency	2.4 GHz	5 GHz	2.4 GHz & 5GHz	2.4 GHz & 5GHz
Data Rate (2.4 GHz)	300 Mbps	-	400 Mbps	400 Mbps
Data Rate (5 GHz)	-	867 Mbps	867 Mbps	867 Mbps
Radio Chains	2 x 2:2	2 x 2:2	2 x 2:2	2 x 2:2
Tx Power (2.4 GHz)	26 dBm	-	27 dBm	23 dBm
Tx Power (5 GHz)	-	26 dBm	27 dBm	23 dBm
Antennas (2.4 GHz)	2 x 5 dBi (SMA-Type)	-	2 x 5dBi (SMA-Type)	2 x 5dBi (SMA-Type)
Antennas (5 GHz)	-	2 x 5dBi (SMA)	2 x 5dBi (SMA-Type)	2 x 5dBi (SMA-Type)
PoE Standard	360 °	360 °	360 °	360 °
Network Interface	24V Proprietary	24V Proprietary	24V Proprietary	802.3af/at
Mounting Type	2 x 10/100 Ethernet Ports	2 x 10/100/1000 Ethernet Ports	2 x 10/100/1000 Ethernet Ports	1 x 10/100/1000 Ethernet Port
Dimensions	IP55	IP55	IP55	IP67
Operating Modes	"L-L: 1KV L-G: 2KV"	"L-L: 1KV L-G: 2KV"	"L-L: 1KV L-G: 2KV"	"L-L: 1KV L-G: 2KV"
Mesh Technology	Air: 8KV	Air: 8KV	Air: 8KV	Air: 8KV
MU-MIMO	Wall/Pole mount	Wall/Pole mount	Wall/Pole mount	Wall/Pole mount
Beamforming	186 x 100 x 29 mm	186 x 100 x 29 mm	192 x 114 x 48 mm	174 x 111 x 30 mm
On-premise management (ezMaster)	AP/CB/WDS AP/WDS BR/WDS STA/ Repeater	AP/CB/WDS AP/WDS BR/WDS STA	AP/CB/WDS AP/WDS BR/WDS STA/ Repeater	AP/Mesh/CB/WDS AP/WDS BR/ WDS STA
Mesh Technology	-	-	-	●
MU-MIMO	-	●	●	●
Beamforming	-	●	●	●
On-premise management (ezMaster)	●	●	●	●
Mobile app (EnWiFi App)	●	●	●	●

*Models vary depending on the region.

Supported Outdoor Access Points

Model	ENH1750EXT	EWS660AP	EWS860AP	EWS850AP
Wi-Fi Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac/ax
Frequency	2.4 GHz & 5GHz	2.4 GHz & 5GHz	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz
Data Rate (2.4 GHz)	450 Mbps	450 Mbps	450 Mbps	574 Mbps
Data Rate (5 GHz)	1,300 Mbps	1,300 Mbps	1,300 Mbps	1,200 Mbps
Radio Chains	3 x 3:3	3 x 3:3	3 x 3:3	2 x 2:2
Tx Power (2.4 GHz)	29 dBm	29 dBm	29 dBm	23 dBm
Tx Power (5 GHz)	29 dBm	29 dBm	29 dBm	25 dBm
Antennas (2.4 GHz)	3 x 5 dBi (N-Type)	3 x 5dbi	3 x 5 dBi(N-Type)	2 x 5 dBi (SMA-Type)
Antennas (5 GHz)	3 x 7 dBi (N-Type)	3 x 5dbi	3 x 7 dBi (N-Type)	2 x 5 dBi (SMA-Type)
PoE Standard	360 °		360 °	360 °
Network Interface	802.3at (at in + af out)	802.3at	802.3at (at in + af out)	802.3af/at
Mounting Type	2 x 10/100/1000 Ethernet Ports	2 x 10/100/1000 Ethernet Ports	2 x 10/100/1000 Ethernet Ports	1 x 10/100/1000/2500 Ethernet Port
Dimensions	IP68	IP55	IP68	IP67
Operating Modes	"L-L: 4KV L-G: 8KV"	"L-L: 1KV L-G: 2KV"	"L-L: 4KV L-G: 8KV"	"L-L: 1KV L-G: 2KV"
Mesh Technology	Air: 6KV	Air: 8KV	Air: 6KV	Air: 8KV
MU-MIMO	Wall/Pole mount	Wall/Pole mount	Wall/Pole mount	Wall/Pole mount
Beamforming	285 x 218 x 53 mm	304 x 181 x 46 mm	285 x 218 x 53 mm	"190x 124 x 47 mm (7.48" x 4.88" x 1.85") "
On-premise management (ezMaster)	AP/Mesh/CB/WDS AP/WDS BR/ WDS STA	AP/Mesh	AP/Mesh	AP/Mesh/WDS AP/WDS BR/ WDS STA
Mesh Technology	●	●	●	-
MU-MIMO	-	-	-	●
Beamforming	-	-	-	●
On-premise management (ezMaster)	●	●	●	●
Mobile app (EnWiFi App)	-	●	●	●

*Models vary depending on the region.

Supported Outdoor Access Points

Model	EnStation5-AC	EnStationAC	ENS500-AC	ENH500
Wi-Fi Standard	802.11a/b/g/n/ac Wave 2	802.11a/b/g/n/ac Wave 2	802.11a/b/g/n/ac Wave 2	802.11a/b/g/n/ac Wave 2
Frequency	5 GHz	5 GHz	5 GHz	5 GHz
Data Rate (2.4 GHz)	-	-	-	-
Data Rate (5 GHz)	867 Mbps	867 Mbps	867 Mbps	867 Mbps
Radio Chains	2 x 2:2	2 x 2:2	2 x 2:2	2 x 2:2
Tx Power (2.4 GHz)	-	-	-	-
Tx Power (5 GHz)	26 dBm	26 dBm	26 dBm	27 dBm
Antennas (2.4 GHz)	-	-	-	-
Antennas (5 GHz)	"19 dBi (Port1: 30°x18°; Port2: 18°x30°)"	"19 dBi (Port1: 30°x18°; Port2: 18°x30°)"	14 dBi	"16dBi (Port1: 40°x20°;Port2: 40°x20°)"
PoE Standard	Azimuth:40°, Elevation:40°	Azimuth:30°, Elevation:30°	Azimuth:40°, Elevation:40°	Azimuth:40°, Elevation:20°
Network Interface	24V Proprietary	"PoE: 802.3at PSE: 802.3af"	24V Proprietary	24V Proprietary
Mounting Type	2 x 10/100/1000 Ethernet Ports	2 x 10/100/1000 Ethernet Ports	2 x 10/100/1000 Ethernet Ports	2 x 10/100/1000 Ethernet Ports
Dimensions	IP55	IP55	IP55	IP55
Operating Modes	"L-L: 1KV L-G: 2KV"	"L-L: 1KV L-G: 2KV"	"L-L: 1KV L-G: 2KV"	"L-L: 1KV L-G: 2KV"
Mesh Technology	Air: 8KV	Air: 8KV	Air: 8KV	Air: 8KV
MU-MIMO	Wall/Pole mount	Wall/Pole mount	Wall/Pole mount	Wall/Pole mount
Beamforming	Φ190 x 38 mm	Φ190 x 38 mm	186 x 100 x 29 mm	260 x 84 x 55 mm
On-premise management (ezMaster)	AP/CB/WDS AP/WDS STA	AP/CB/WDS AP/WDS STA	AP/CB/WDS AP/WDS STA	AP/CB/WDS AP/WDS STA
Mesh Technology	-	-	-	-
MU-MIMO	●	●	●	●
Beamforming	●	●	●	●
On-premise management (ezMaster)	●	●	●	●
Mobile app (EnWiFi App)	●	●	●	●

*Models vary depending on the region.

Switches Comparison Table

	Wireless Controller Switches			
Model	EWS2908P	EWS2910P	EWS5912FP	EWS7928P
Switching Class	Layer 2	Layer 2	Layer 2	Layer 2
OS version	SNOS 1.0	SNOS 1.0	SNOS 1.0	SNOS 1.0
Wireless Controller	●	●	●	●
ezMaster managed mode	●	●	●	●
Standalone Switch	●	●	●	●
Gigabit Ethernet Ports	8	8	10	24
SFP Ports	-	2	2	4
SFP+ Ports	-	-	-	-
RJ45 Console Port	k5	-	1	1
PoE Standard	802.3af	802.3af	802.3af/at	802.3af/at
PoE Capable Ports	Ports 1-8	Ports 1-8	Ports 1-8	Ports 1-24
Maximum PoE Budget	55W	55W	130W	240W
Switching Capacity (Gbps)	16Gbps	20Gbps	24Gbps	56Gbps
Full load Power consumption	62.05 Watts	63.18 Watts	152.8 Watts	304.59 Watts
Packet Buffer memory	512KB	512KB	512KB	512KB
Max. Packet Forwarding Rate (Mpps)	11.9Mpps	14.88Mpps	17.856Mpps	17.856Mpps
MAC Address Table Size	8K	8K	8K	8K
Jumbo frame size	9K	9K	9K	9K
Weight	0.6 kg	0.6 kg	1.9 kg	3.6 kg
Dimension	240mm x 105mm x 27mm	240mm x 105mm x 27mm	330mm x 230mm x 44mm	440mm x 260mm x 44mm
Operating Temp.	0 to 40°C	0 to 40°C	0 to 50°C	0 to 50°C
Storage Temp.	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C
Humidity	5% ~ 95%	5% ~ 95%	5% ~ 95%	5% ~ 95%

*PoE Extended mode excels in long-range installation, but the actual performance may be affected by Ethernet cable quality or IP camera's electrical design. We suggested end-users to have an interoperability test before physical deployment.
*Models vary depending on the region.

Switches Comparison Table

	Wireless Controller Switches			
Model	EWS1200-28TFP	EWS7926EFP	EWS7952P	EWS7952FP
Switching Class	Layer 2	Layer 2	Layer 2	Layer 2
OS version	SNOS 1.0	SNOS 1.0	SNOS 1.0	SNOS 1.0
Wireless Controller	●	●	●	●
ezMaster managed mode	●	●	●	●
Standalone Switch	●	●	●	●
Gigabit Ethernet Ports	24	24	48	48
SFP Ports	4	-	4	4
SFP+ Ports	-	2	-	-
RJ45 Console Port	1	1	1	1
PoE Standard	802.3af/at	802.3af/at	802.3af/at	802.3af/at
PoE Capable Ports	Ports 1-24	Ports 1-24	Ports 1-48	Ports 1-48
Maximum PoE Budget	410W	410W	410W	740W
Switching Capacity (Gbps)	56Gbps	88Gbps	104Gbps	104Gbps
Full load Power consumption	500.46 Watts	511.8 Watts	500.46 Watts	868.99 Watts
Packet Buffer memory	512KB	1.5MB	1.5MB	1.5MB
Max. Packet Forwarding Rate (Mpps)	41.664Mpps	65.472Mpps	77.376Mpps	77.376Mpps
MAC Address Table Size	8K	16K	16K	16K
Jumbo frame size	9K	12K	9K	9K
Weight	3.8 kg	3.8 kg	6.4 kg	6.4 kg
Dimension	440mm x 260mm x 44mm	440mm x 260mm x 44mm	440mm x 410mm x 44mm	440mm x 410mm x 44mm
Operating Temp.	0 to 50°C	0 to 50°C	0 to 50°C	0 to 50°C
Storage Temp.	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C
Humidity	5% ~ 95%	5% ~ 95%	5% ~ 95%	5% ~ 95%

*PoE Extended mode excels in long-range installation, but the actual performance may be affected by Ethernet cable quality or IP camera's electrical design. We suggested end-users to have an interoperability test before physical deployment.

*Models vary depending on the region.

Switches Comparison Table

	Cloud-Enabled Switches							
	Gigabit Switch							
Model	ECS1008P	ECS1112FP	ECS1528	ECS1528P	ECS1528FP	ECS1552	ECS1552P	ECS1552FP
Switch Class	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+
Gigabit Ethernet Ports	8	10	24	24	24	48	48	48
Multi-Gigabit Ethernet Ports	-	-	-	-	-	-	-	-
SFP Ports	-	2	-	-	-	-	-	-
SFP+ Ports	-	-	4	4	4	4	4	4
RJ45 Console Port	-	●	●	●	●	●	●	●
Form Factor	9.45" (desktop)	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	176Gbps	176Gbps	176Gbps
Packet Forwarding Rate (Mpps)	11.904Mpps	17.856Mpps	95.23Mpps	95.23Mpps	95.23Mpps	130.95Mpps	130.95Mpps	130.95Mpps
MAC Address Table	8K	8K	16K	16K	16K	32K	32K	32K
Packet Buffer Memory	512KB	512KB	1.5MB	1.5MB	1.5MB	2MB	2MB	2MB
Full load Power consumption	62.05 Watts	152.8 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	440mm x 200mm 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

*PoE Extended mode excels in long-range installation, but the actual performance may be affected by Ethernet cable quality or IP camera's electrical design. We suggested end-users to have an interoperability test before physical deployment.
*Models vary depending on the region.

Switches Comparison Table

	Cloud-Enabled Switches					
	Multi-Gigabit Switches					
Model	ECS2512	ECS2512FP	ECS2528FP	ECS2552FP	ECS5512	ECS5512FP
Switch Class	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	16x2.5G	8 x 10G	8 x 10G
SFP Ports	-	-	-	-	-	-
SFP+ Ports	4	4	4	4	4	4
RJ45 Console Port	●	●	●	●	●	●
Form Factor	13" 1U	13" 1U	19" 1U	19" 1U	13" 1U	13" 1U
Power-over-Ethernet	-	802.3af/at/bt	802.3af/at	802.3af/at	-	802.3af/at/bt
Total PoE Budget	-	240w	410w	740w	-	420w
PoE Capable Ports	-	Ports 1-8	Ports 1-24	Ports 1-48	-	Ports 1-8
Switching Capacity	120Gbps	120Gbps	152Gbps	224Gbps	240Gbps	240Gbps
Packet Forwarding Rate (Mpps)	89.29 Mpps	89.29 Mpps	113.10 Mpps	166.67 Mpps	178.57 Mpps	178.57 Mpps
MAC Address Table	16k	16k	16k	32k	32k	32k
Packet Buffer Memory	512KB	512KB	1.5MB	2MB	2MB	2MB
Full load Power consumption	23.52 Watts	299 Watts	499.85 Watts	913 Watts	29.22 Watts	506.7 Watts
*PoE Extended Mode	-	-	●	●	-	-
PD Lifeguard	-	-	●	●	-	-
Continuous PoE Power	-	-	●	●	-	-
Dimension	330mm x 230mm x 44mm	330mm x 230mm x 44mm	440mm x 260mm x 44mm	440mm x 310mm x 44mm	330mm x 230mm x 44mm	330mm x 230mm x 44mm

*PoE Extended mode excels in long-range installation, but the actual performance may be affected by Ethernet cable quality or IP camera's electrical design. We suggested end-users to have an interoperability test before physical deployment.
*Models vary depending on the region.

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