

Powerful Technologies in the EnSky Series





Next-generation
Wi-Fi technology for SMBs





Time-based management for maximum throughput

Business Mesh



Enterprise-level Mesh for smart networking

An Innovative Total Solution for Your Business



Device Configuration

WLAN configuration and group settings for APs and switches



Network Management

Multi-tenant system maintenance and real-time event notification



Visualized **Monitoring**

Monitor and provide visualizations for AP status

Flexible and Scalable Network Deployments

Local network on single site

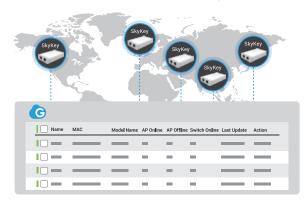


Managed APs + Switches



Users can deploy their devices onto the SkyKey web interface, which then becomes available for selection to a user-created project for further customization.

Remote access of multiple sites



Multiple EnSky controllers can be deployed for cross-network management on a single interface, no matter how many SkyKey-based devices are in your network.

Versatile Management and Product Lines of EnSky

Management Platforms





Software - ezMaster



Mobile app - EnWiFi

Managed Devices



Indoor wireless





Outdoor wireless

PoE switches

Controller - SkyKey

EnSky Overview

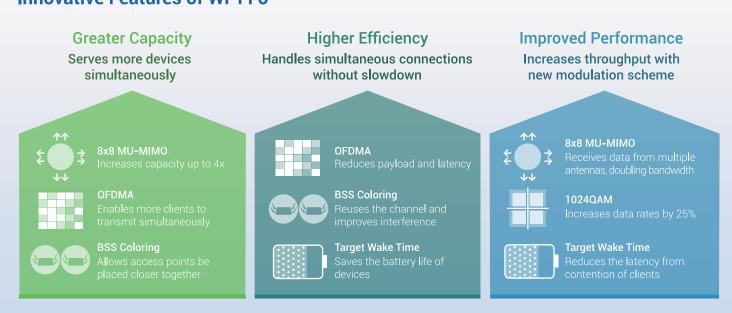


The Game Changing Product - 11ax Access Points

802.11ax (Wi-Fi 6) technology improves upon real-world deployment of 802.11ac. As the next-generation Wi-Fi, 802.11ax brings speed improvements along with greater stability and efficiency in wireless connections.

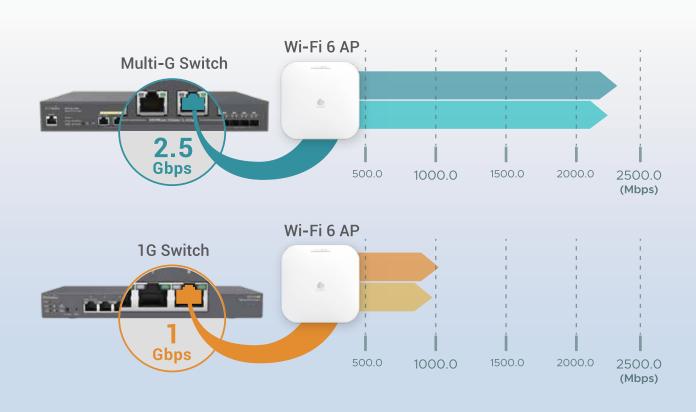


Innovative Features of Wi-Fi 6



Multu-G Switches Achieve The Maximum Wi-Fi 6 Performance

Multu-G Switches Boost Your Wi-Fi 6 performance at up to 2,400 Mbps, eliminating the speed bottleneck of traditional gigabit switch. EnGenius Wi-Fi 6 access points provide max. throughput a total of 3,550 Mbps (up to 1,150 Mbps on 2.4 GHz & 2,400 Mbps on 5GHz) with EnGenius Multi-G switches, eliminating the speed bottleneck of traditional gigabit switch and achieve real maximum wireless speed for your applications.



EnGenius Wi-Fi 6 Product Lineups

	Indo	or AP	Outdoor AP
Wi-Fi 6 (11ax)			The second
Access Points	EWS357 AP	EWS377 AP	EWS850AP
Wi-Fi Standard	802.11ax	802.11ax	802.11ax
2.4GHz Speed	574 Mbps	1,148 Mbps	574 Mbps
5GHz Speed	1,200 Mbps	2,400 Mbps	1,201 Mbps
PoE Standard	802.3af/at	802.3at	802.3af/at
	Switch		
Switch	ECS2512FP		
Multi-G Port	8 x 2.5G		
PoE Ports	Ports 1-8		
PoE Standard	802.3af/at/bt		
Total PoE Budget	240W		

Scenarios Where 802.11ax Can Boost Your Wi-Fi Performance



Heavy Interference

Environment: Office, enterprise environments

802.11ax's spatial reuse feature, through BSS coloring, reduces co-channel interference and improves simultaneous transmissions. This cuts through RF congestion in office environments for greater network efficiency.



Dense Usage

Environment: Stations, libraries, and shopping malls

802.11ax's uplink and downlink of MU-MIMO provides greater network efficiency and focuses radio energy on specific users. Capable of handling demand-heavy environments with many devices, such as airports, gas stations, libraries, and shopping malls, with lots of client devices.



Multiple Devices

Environment: Smart home (IoT)

The explosive growth of IoT devices, such as smart TVs, smart appliances, and smart lighting in a progressively connected world. Features in 802.11ax extend the number of client devices that can be associated with access points in smart homes and offices.



5G LTE Complement

Environment : Indoor Spaces

EnGenius Wi-Fi 6 and 5G LTE can bring more smart applications with higher data rates and increased capacity. Wi-Fi 6 is ideal for indoor or high-density areas, while 5G LTE is optimized for outdoor mobile communications.



Achieve Maximum Throughput for Outdoor Wi-Fi Deployment

How EnJet Improves Outdoor Wi-Fi

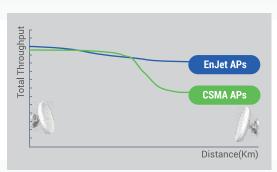
When an outdoor network spans large distances, its access points or stations are unable to detect each other's transmissions. Frequent collisions will occur when multiple points transmit simultaneously. EnJet features PtP and PtMP technology, which allocates transmissions from remote locations into slots for efficient time-based management.

Time-based management improves transmission



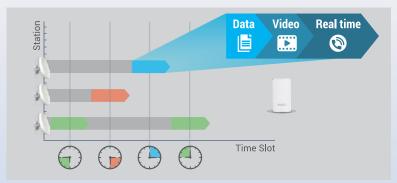
EnJet provides steady maximum throughput & high link reliability to every client—even when bandwidth demands increase & devices are added.

Maximize throughput at distances



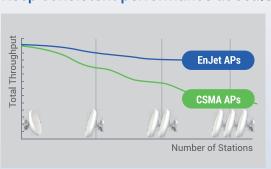
By assigning a pre-determined time slot to each connected station, EnJet achieves stable throughput in distance scenarios and avoids the increasing latency found in CSMA.

Prioritize the transmission of important data



EnJet achieves the speed your network needs for its most critical applications. For example, real-time voice transmissions are latency-intensive and slotted at a higher priority than video recordings.

Keep consistent performance at scale



EnJet coordinates the order of data transmissions from multiple sources, thereby increasing the number of access points/stations in your network does not dramatically diminish performance.

The Ideal Usage Scenarios of EnJet Technology

Optimized for flexible outdoor wireless deployment



Point-to-Point

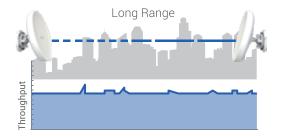
EnJet provides a more consistently stable throughput than standard CSMA connections by ordering transmissions into different time slots.





Long-Range

In long range deployments, EnJet ensures high throughput with high-gain antennas (EnStation5-AC/EnStationAC), while traditional CSMA networks suffer from increasing latency at distance and network size.



Outdoor Access Points Perform Better in Harsh Environments

EnJet is protected from prolonged exposure to sunlight, cold, frost, snow, rain, hail, heat, and humidity to ensure your network operates in extreme outdoor climates and environment.



Point-to-Multipoint

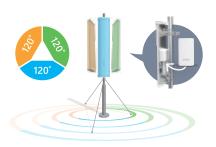
EnJet Solution features time-division to avoid the hidden node problem commonly found in





360° Coverage

ENS500EXT-AC supports the use of external antennas to extend coverage to 120 degrees. For an omnidirectional network, install three ENS500EXT-AC with EnGenius sector antenna SA5219 to cover 360° outdoor point-to-multipoint deployments.









-20°C to 60°C

Waterproof IP55

Anti UV

EnJet Featured Models		10		
Outdoor Access Points	ENS500EXT-AC	ENS500-AC	EnStation5-AC	EnStationAC
Antenna Gain	2 x 5dBi	14 dBi	19 dBi	19 dBi
Coverage	360°	30°	30°	30°
Range	1 KM (Recommended)	3 KM (Recommended)	5 KM (Recommended)	5 KM (Recommended)
	-			
Outdoor Access Points	ENH500			
Antenna Gain	16 dBi			
Coverage	35°			
Range	4KM (Recommended)			



A Smarter Way to True Wireless

Optimized Mesh Technology Brings You Wi-Fi without Dead Spots

Place EnGenius Mesh devices where you need coverage and let EnGenius Mesh technology automatically connect them to your network.





Extend Wi-Fi coverage without cabling hassles

Provides all-encompassing coverage in your home or office without any cables required.





Smart webbing by Enterprise-grade Mesh

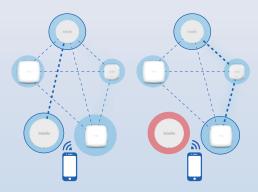
The network automatically link up the nodes to the existing structure without needing manual adjustments.





Smart healing when a wireless link is lost

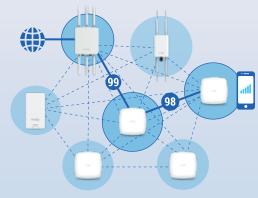
Recalculate link quality to find the best path whenever a node loses connection.





Smart routing for consistently high quality

Constantly optimize path selection on each device by enterprise-grade mesh algorithms.



Industrial Case Studies of Mesh Technology



Warehouse/Industrial Areas

Challenges

- · Insufficient cabling connections.
- · Wireless signals are blocked by moving obstacles.

EnGenius Mesh solution

- Mesh APs are flexible to deploy with wall, ceiling, and pole mount options.
- Fewer wiring constraints makes it easy to place access points based on desired coverage area with minimal environment modification.



Hospitality & Heritage

Challenges

- Installation without remodeling existing structures or disrupting business.
- Off-the-grid locations are difficult for high-speedinternet service providers.

EnGenius Mesh solution

- Mesh access points can be powered by DC Input or PoE on existing power sources.
- High flexibility of network deployment with mesh nodes that can be easily added or removed.



Concert, Fairs, and Gatherings

Challenges

- Significant coverage and capacity requirements of internet connectivity.
- · Flexible deployment for different activities requirements.

EnGenius Mesh solution

- Network deployment for more than 1,000 devices across large areas remotely.
- Mesh technology enables flexible and mobile deployment.

Mesh Featured Models



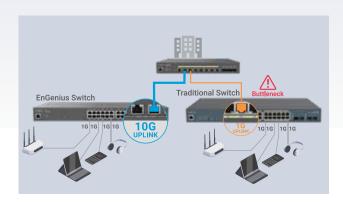
EnSky Indoor Access Points Series*



*Not all EnSky access points support Mesh technology.

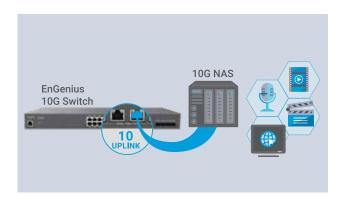
EnGenius Multi-G Switches Build Your Network without Bottleneck

Choose the right Switches for Your Business. EnGenius Gigabit Switches with 10G uplink and Multi-G switches help you eliminate the speed bottleneck.



10G Uplink Facilitates Multi-layer Network Efficiency For SMB

EnGenius Gigabit Switches come with SFP+ 10G Uplink ports, designed to link the multi-layer switch connection for SMB networks. With 10G uplink, multiple end devices with more than 1G data can access the server without congestion, while 1G uplink cannot handle more than 1G data and becomes a bottleneck.



10GbE Switches Optimize For The Bandwidth-Intensive Applications

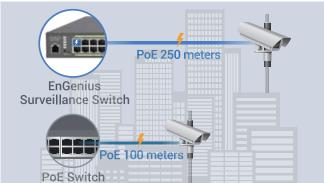
EnGenius 10GbE Switches are designed for the increasing needs of bandwidth-demanding tasks and provide blazing-fast transfer speeds for NAS applications. 10G switches enable end devices like workstations to access large files faster via a 10G NAS, ideal for multimedia and video editing tasks.

EnGenius Switch Lineups for 10G Uplink and Multi-G

		Switch					
10G Uplink and Multi-G Models	a mmemu —			Z			
Switches	ECS1528	ECS1528P	ECS1528FP	ECS1552	ECS1552P		
Gigabite Ethernet Ports	24	24	24	48	48		
SFP+ Port(10G)	4	4	4	4	4		
PoE Ports	-	Ports 1-24	Ports 1-24	-	Ports 1-48		
PoE Standard	-	802.3af/at	802.3af/at	-	802.3af/at		
Switch Capability	128 Gbps	128 Gbps	128 Gbps	176 Gbps	176 Gbps		

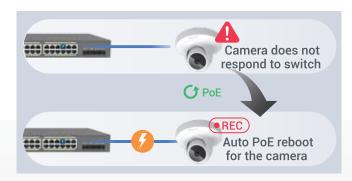
	Switch					
10G Uplink and Multi-G Models		E	E	F		
Switches	ECS1552FP	ECS2512	ECS2512FP	ECS5512	ECS5512FP	
Gigabite Ethernet Ports	48	8 x 2.5G	8 x 2.5G	8 x 10G	8 x 10G	
SFP+ Port(10G)	4	4	4	4	4	
PoE Ports	Ports 1-48	-	Ports 1-8	-	Ports 1-8	
PoE Standard	802.3af/at	-	802.3af/at/bt	-	802.3af/at/bt	
Switch Capability	176 Gbps	120 Gbps	120 Gbps	240 Gbps	240 Gbps	





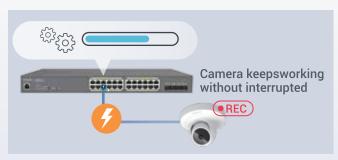
Extending the 1Deployin,g Range of PoE Camera

The EnGenius Switch can extend the deploying range of PoE cable up to 250 meters using the original Cat5e cable while providing a sufficient speed for data transmission, which significantly improves the case of traditional PoE deploying range that can only extend the cable distance to 100 meters.



Smart Monitoring and Auto PoE Reboot When the Camera is Down

The EnGenius Switch uses intelligent LLDP technology to real-time monitor the status of camera. Once the camera stop working and does not respond to the Switch, the Switch will automatically cut off then resume the PoE power to reboot the camera, which makes the surveillance management more easily.



Non-stop PoE Power Supply for Cameras During Switch Firmware Upgrading

EnGenius surveillance Switch can continue to supply PoE power to keep IP camera in operation without interruption of the Switch rebooting during Switch firmware upgrading, making the security monitoring have no time gap.

EnGenius Surveillance Switch Lineups

EnGenius					
Surveillance Switch Models					
Switches	ECS1528P	ECS1528FP	ECS1552P	ECS1552FP	
Network Port	24 x GbE Ports	24 x GbE Ports	48 x GbE Ports	48 x GbE Ports	
PoE Port	24 Ports PoE af/at	24 Ports PoE af/at	48 Ports PoE af/at	48 Ports PoE af/at	
Power Budget	240W	410W	410W	740W	

On-Premises Network Management

Empower Local or Remote Management

Experience the Unprecedented Convenience of Management

EnGenius EnSky's on-premises network management platform consists of SkyKey hardware and ezMaster management software. The platform empowers you to monitor, manage, and troubleshoot an indoor or outdoor network remotely.



EnSky On-Premises Management Platform



ezMaster software lets you easily configure and maintain thousands of devices. You can manage up to 10,000 devices using the ezMaster VM for local sites or AWS-deployed version for multiple sites with remote access.

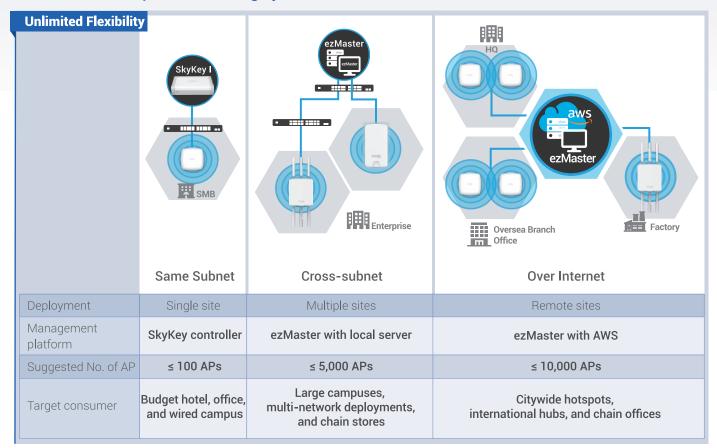


SkyKey I is the on-premises network controller with built-in ezMaster that manages up to 100 devices, With the plug and play and installation free controller, you can easily deploy network without complex configuration.

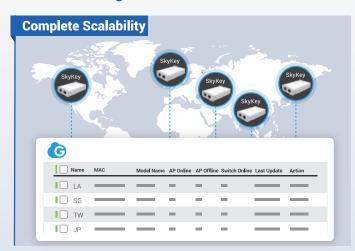
Manage Networks Smarter with EnSky Solution

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

Choose the best options to manage your network

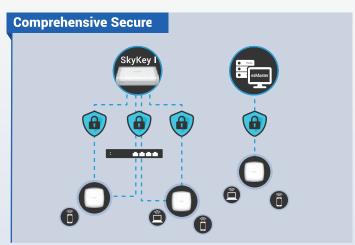


Remote management for distributed networks



SkyKey devices allow for centralized network management, Control packets are encrypted when transmitting between no matter how widely distributed.

Secure tunnel connection for managed networks



ezMaster and managed devices.

Rich Reporting & Analytics



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



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



Upload floor plans and drop markers to represent real and prospective locations for your access points in the real world.



The topology view automatically maps your network deployment and creates a visualization of device relationships and physical connections.



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

Quick Deployment with SkyKey Controller

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



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

EnWiFi App

Quick Deployment for Wireless Networks

Outstanding Features for Managing Network On-the-Go

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 smart phones or tablets.

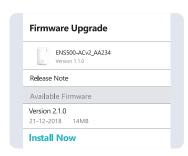
Auto-discover devices

Support for all EnGenius indoor and outdoor models



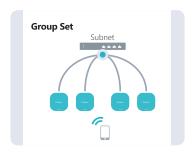
Firmware upgrades

Auto-detection and upgrades of new firmware



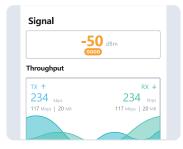
Group settings

Configuration for single or group of devices



Real-time performance

Get detail of signal level and performance of devices





Features of EnWiFi Mobile App

Deployment

- Auto-discover devices
- Group configuration
- Initial settings
- Operation mode switch

Management

- Backup configuration
- Group management
- Reboot network
- · New firmware detection

Monitoring

- Monitor real-time throughput
- Get RSSI signal level details
- Find root cause of issues
- Login or kick out devices

EnSky - Indoor Access Points

	ax (Wi-Fi 6)		ac Wa	ave 2
	EWS357AP	EWS377AP	EWS385AP	EWS330AP
Indoor Access Points	Wi-Fi 6	Wi-Fi 6	Tri-Band	totale
Wi-Fi Standard	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Radio	2.4 GHz & 5 GHz			
Max. Data Rate on 2.4 GHz	574 Mbps	1,148 Mbps	400 Mbps	400 Mbps
Max. Data Rate on 5 GHz	1,200 Mbps	2,400 Mbps	867 + 867 Mbps	867 Mbps
Radio Chains/ Spatial Streams	2 x 2:2	4 x 4:4	2 x 2:2	2 x 2:2
Transmit Power	Up to 22 dBm on 2.4 GHz Up to 22 dBm on 5 GHz	Up to 23 dBm on 2.4 GHz Up to 23 dBm on 5 GHz	Up to 22 dBm on 2.4 GHz Up to 22 dBm on 5 GHz	Up to 26 dBm on 2.4 GHz Up to 26 dBm on 5 GHz
Antenna	2 x 3 dBi (2.4 GHz) 2 x 3 dBi (5 GHz)	4 x 3 dBi (2.4 GHz) 4 x 3 dBi (5 GHz)	2 x 5 dBi (2.4 GHz) 2 x 5 dBi (5 GHz)	2 x 5 dBi (2.4 GHz) 2 x 5 dBi (5 GHz)
Power-over-Ethernet	802.3af/at	802.3at	802.3af	802.3af
Ethernet Ports	1 x 10/100/1000 Ethernet Port	1 x 10/100/1000/2500 Ethernet Port	2 x 10/100/1000 Ethernet Ports	1 x 10/100/1000 Ethernet Port
Dimensions	160 x 160 x 26.9 mm	205 x 205 x 33.2 mm	200 x 200 x 45 mm	Ф132.4 x 37.44 mm
Mounting Type	Ceiling / Wall	Ceiling / Wall	Ceiling / Wall	Ceiling / Wall
Mesh Technology	•	•	•	•
On-premise management (ezMaster)	•	•	•	•
Mobile app (EnWiFi App)	•	•	-	•

		ac Wave 2	
	EWS355AP	EWS550AP	EAP1250
Indoor Access Points	1 today		tooler
Wi-Fi Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Radio	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz
Max. Data Rate on 2.4 GHz	400 Mbps	400 Mbps	400 Mbps
Max. Data Rate on 5 GHz	867 Mbps	867 Mbps	867 Mbps
Radio Chains/ Spatial Streams	2 x 2:2	2 x 2:2	2 x 2:2
Transmit Power	Up to 23 dBm on 2.4 GHz Up to 23 dBm on 5 GHz	Up to 21 dBm on 2.4 GHz Up to 20 dBm on 5 GHz	Up to 23 dBm on 2.4 GHz Up to 22 dBm on 5 GHz
Antenna	2 x 5 dBi (2.4 GHz) 2 x 5 dBi (5 GHz)	2 x 4 dBi (2.4 GHz) 2 x 6 dBi (5 GHz)	2 x 5 dBi (2.4 GHz) 2 x 5 dBi (5 GHz)
Power-over-Ethernet	802.3af	802.3af/at	802.3af
Ethernet Ports	1 x 10/100/1000 Ethernet Port	3 x 10/100/1000 Ethernet Ports	1 x 10/100/1000 Ethernet Port
Dimensions	161.5 x 41.6 mm	188 x 125 x 26 mm	Ф132.4 x 37.44 mm
Mounting Type	Ceiling / Wall	Wall Plate	Ceiling / Wall
Mesh Technology	•	•	•
On-premise management (ezMaster)	•	•	•
Mobile app (EnWiFi App)	-	•	•

		ac Wa	ave 2	11ac
	EnHero5	EAP1300	EAP2200	EWS360AP
Indoor Access Points	noder house	t-do-lay	Tri-Band	toda
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
Radio	2.4 GHz & 5 GHz			
Max. Data Rate on 2.4 GHz	400 Mbps	400 Mbps	400 Mbps	450 Mbps
Max. Data Rate on 5 GHz	867 Mbps	867 Mbps	867Mbps + 867Mbps	1,300 Mbps
Radio Chains/ Spatial Streams	2 x 2:2	2 x 2:2	2 x 2:2	3 x 3:3
Transmit Power	Up to 26 dBm on 2.4 GHz Up to 26 dBm on 5 GHz	Up to 23 dBm on 2.4 GHz Up to 23 dBm on 5 GHz	Up to 22 dBm on 2.4 GHz Up to 22 dBm on 5 GHz	Up to 28 dBm on 2.4 GHz Up to 28 dBm on 5 GHz
Antenna	2 x 5 dBi (2.4 GHz) 2 x 5 dBi (5 GHz)	2 x 5 dBi (2.4 GHz) 2 x 5 dBi (5 GHz)	2 x 5 dBi (2.4 GHz) 2 x 5 dBi (5 GHz)	3 x 3 dBi (2.4 GHz) 3 x 5 dBi (5 GHz)
Power-over-Ethernet	802.3af	802.3af	802.3af	802.3at
Ethernet Ports	1 x 10/100/1000 Ethernet Port	1 x 10/100/1000 Ethernet Port	2 x 10/100/1000 Ethernet Port	1 x 10/100/1000 Ethernet Port
Dimensions	Ф161.5 x 41.6 mm	Ф161.5 x 41.6 mm	200 x 200 x 45 mm	161.5 x 161.5 x 41.5 mm
Mounting Type	Ceiling / Wall	Ceiling / Wall	Ceiling / Wall	Ceiling / Wall
Mesh Technology	-	-	-	•
On-premise management (ezMaster)	•	•	•	•
Mobile app (EnWiFi App)	•	•	-	•

EnSky - Outdoor Access Points

	ax (Wi-Fi 6)		ac Wave 2			
	EWS850AP	EWS860AP	ENH1350EXT	ENH1750EXT		
Outdoor	HOLES WITH O	non-in	no.	ends		
Access Points	1-1	11.00	1-1	HAL		
Wi-Fi Standard	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac		
Operating Radio	2.4 GHz & 5 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5GHz	2.4 GHz & 5GHz		
Management Radio	-	-	-	-		
Max. Data Rate on 2.4 GHz	574 Mbps	450 Mbps	400 Mbps	400 Mbps		
Max. Data Rate on 5 GHz	1,201 Mbps	1,300 Mbps	867 Mbps	1,300 Mbps		
Radio Chains / Streams	2 x 2:2	3 x 3:3	2 x 2:2	3 x 3:3		
Transmit Power	Up to 23 dBm on 2.4 GHz Up to 25 dBm on 5 GHz	Up to 29 dBm on 2.4 GHz Up to 29 dBm on 5 GHz	Up to 23 dBm on 2.4 GHz Up to 23 dBm on 5 GHz	Up to 29 dBm on 2.4 GHz Up to 29 dBm on 5 GHz		
Integrated Antenna	-	-	-	-		
External Antenna	4 x 5 dBi	3 x 5 dBi (2.4 GHz) 3 x 7 dBi (5 GHz)	4 x 5 dBi	3 x 5 dBi (2.4 GHz) 3 x 7 dBi (5 GHz)		
Power-over-Ethernet	802.3af/at	802.3at (at in + af out)	802.3af/at	802.3at (at in + af out)		
Ethernet Ports	1 x 10/100/1000 Ethernet Port	2 x 10/100/1000 Ethernet Ports	1 x 10/100/1000 Ethernet Port	2 x 10/100/1000 Ethernet Ports		
IP Rating	IP67	IP68	IP67	IP68		
Dimensions	111.2 x 173.6 x 30.29 mm	285 x 217.93 x 53.34 mm	173.6 x 111.2 x 30.29 mm	285 x 217.93 x 53.34 mm		
Mesh Technology	•	•	•	•		
EnJet Technology		-	-	-		
On-premise management (ezMaster)	•	•	•	•		
Mobile app (EnWiFi App)	•	•	•	-		
		ac Wave 2				

	ac Wave 2			
	EnStationAC	EnStation5-AC	ENS500-AC	ENS500EXT-AC
Outdoor Access Points	EnJet	En.Jet	En.Jet	EnJet
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
Operating Radio	5 GHz	5 GHz	5 GHz	5 GHz
Management Radio	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz
Max. Data Rate on 2.4 GHz	-	-	-	-
Max. Data Rate on 5 GHz	867 Mbps	867 Mbps	867 Mbps	867 Mbps
Radio Chains / Streams	2 x 2:2	2 x 2:2	2 x 2:2	2 x 2:2
Transmit Power	Up to 26 dBm on 5 GHz	Up to 26 dBm on 5 GHz	Up to 23 dBm on 5 GHz	Up to 23 dBm on 5 GHz
Integrated Antenna	19 dBi (5GHz)	19 dBi (5GHz)	14 dBi (5GHz)	-
External Antenna			-	2 x 5 dBi (5 GHz)
Power-over-Ethernet	802.3at (at in + af out)	24V Proprietary	24V Proprietary	24V Proprietary
Ethernet Ports	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
IP Rating	IP55	IP55	IP55	IP55
Dimensions	Ф190 x 38 mm	Ф190 x 38 mm	100 x 185 x 27 mm	100 x 185 x 27 mm
Mesh Technology	-	-	-	-
EnJet Technology	•	•	•	•
On-premise management (ezMaster)	•	•	•	•
Mobile app (EnWiFi App)	•	•	•	-

Ī		ac Wave 2	
	ENUEGO		FNCCOOFYT
	ENH500	ENS610EXT	ENS620EXT
0	EnJet		
Outdoor		in in	n d
Access Points		V V	V V
Wi-Fi Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Operating Radio	5 GHz	2.4 GHz & 5 GHz	2.4 GHz & 5GHz
Management Radio	2.4 GHz		-
Max. Data Rate on 2.4 GHz	-	400 Mbps	400 Mbps
Max. Data Rate on 5 GHz	867 Mbps	867 Mbps	867 Mbps
Radio Chains / Streams	2 x 2:2	2 x 2:2	2 x 2:2
Transmit Power	Up to 27 dBm on 5 GHz	Up to 23 dBm on 2.4 GHz Up to 23 dBm on 5 GHz	Up to 27 dBm on 2.4 GHz Up to 27 dBm on 5 GHz
Integrated Antenna	16 dBi (5GHz)	-	-
External Antenna	-	4 x 5 dBi	4 x 5 dBi
Power-over-Ethernet	24V Proprietary	24V Proprietary	24V Proprietary
Ethernet Ports	2 x 10/100/1000 Ethernet Ports	2 x 10/100/1000 Ethernet Ports	2 x 10/100/1000 Ethernet Ports
IP Rating	IP55	IP55	IP55
Dimensions	186 x 100 x 29 mm	186 x 100 x 29 mm	191.6 x 114.3 x 47.7 mm
Mesh Technology	<u>-</u>	-	•
EnJet Technology	•		-
On-premise management (ezMaster)	•	•	•
		11n	ENCADAEVT
	EnStation5	11n ENS202	ENS202EXT
	EnStation5		ENS202EXT
	EnStation5		ENS202EXT
Outdoor			ENS202EXT
Outdoor Access Points			ENS202EXT
		ENS202	ENS202EXT
Access Points	totraile	ENS202	Local Control
Access Points Wi-Fi Standard	802.11a/n	ENS202 802.11b/g/n	802.11b/g/n
Access Points Wi-Fi Standard Operating Radio	802.11a/n 5GHz	ENS202 802.11b/g/n 2.4 GHz	802.11b/g/n 2.4 GHz
Access Points Wi-Fi Standard Operating Radio Management Radio	802.11a/n 5GHz	ENS202 802.11b/g/n 2.4 GHz	802.11b/g/n 2.4 GHz
Access Points Wi-Fi Standard Operating Radio Management Radio Max. Data Rate on 2.4 GHz	802.11a/n 5GHz 2.4 GHz	ENS202 802.11b/g/n 2.4 GHz	802.11b/g/n 2.4 GHz
Access Points Wi-Fi Standard Operating Radio Management Radio Max. Data Rate on 2.4 GHz Max. Data Rate on 5 GHz	802.11a/n 5GHz 2.4 GHz - 867 Mbps	802.11b/g/n 2.4 GHz - 300 Mbps	802.11b/g/n 2.4 GHz - 300 Mbps
Access Points Wi-Fi Standard Operating Radio Management Radio Max. Data Rate on 2.4 GHz Max. Data Rate on 5 GHz Radio Chains / Streams	802.11a/n 5GHz 2.4 GHz - 867 Mbps 2 x 2:2	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2
Access Points Wi-Fi Standard Operating Radio Management Radio Max. Data Rate on 2.4 GHz Max. Data Rate on 5 GHz Radio Chains / Streams Transmit Power	802.11a/n 5GHz 2.4 GHz - 867 Mbps 2 x 2:2 Up to 26 dBm on 5 GHz	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 2.4 GHz	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2
Access Points Wi-Fi Standard Operating Radio Management Radio Max. Data Rate on 2.4 GHz Max. Data Rate on 5 GHz Radio Chains / Streams Transmit Power Integrated Antenna	802.11a/n 5GHz 2.4 GHz - 867 Mbps 2 x 2:2 Up to 26 dBm on 5 GHz	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 2.4 GHz	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 5 GHz
Access Points Wi-Fi Standard Operating Radio Management Radio Max. Data Rate on 2.4 GHz Max. Data Rate on 5 GHz Radio Chains / Streams Transmit Power Integrated Antenna External Antenna	802.11a/n 5GHz 2.4 GHz - 867 Mbps 2 x 2:2 Up to 26 dBm on 5 GHz 19 dBi (5GHz)	ENS202 802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 2.4 GHz 8 dBi (5GHz)	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 5 GHz - 2 x 5 dBi (2.4 GHz)
Access Points Wi-Fi Standard Operating Radio Management Radio Max. Data Rate on 2.4 GHz Max. Data Rate on 5 GHz Radio Chains / Streams Transmit Power Integrated Antenna External Antenna Power-over-Ethernet	802.11a/n 5GHz 2.4 GHz - 867 Mbps 2 x 2:2 Up to 26 dBm on 5 GHz 19 dBi (5GHz) - 24V Proprietary	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 2.4 GHz 8 dBi (5GHz) - 24V Proprietary	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 5 GHz - 2 x 5 dBi (2.4 GHz) 24V Proprietary
Access Points Wi-Fi Standard Operating Radio Management Radio Max. Data Rate on 2.4 GHz Max. Data Rate on 5 GHz Radio Chains / Streams Transmit Power Integrated Antenna External Antenna Power-over-Ethernet Ethernet Ports	802.11a/n 5GHz 2.4 GHz - 867 Mbps 2 x 2:2 Up to 26 dBm on 5 GHz 19 dBi (5GHz) - 24V Proprietary 2 x 10/100/1000 Ethernet Ports	ENS202 802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 2.4 GHz 8 dBi (5GHz) - 24V Proprietary 2 x 10/100/1000 Ethernet Ports	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 5 GHz - 2 x 5 dBi (2.4 GHz) 24V Proprietary 2 x 10/100/1000 Ethernet Ports
Access Points Wi-Fi Standard Operating Radio Management Radio Max. Data Rate on 2.4 GHz Max. Data Rate on 5 GHz Radio Chains / Streams Transmit Power Integrated Antenna External Antenna Power-over-Ethernet Ethernet Ports IP Rating	802.11a/n 5GHz 2.4 GHz - 867 Mbps 2 x 2:2 Up to 26 dBm on 5 GHz 19 dBi (5GHz) - 24V Proprietary 2 x 10/100/1000 Ethernet Ports IP55	ENS202 802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 2.4 GHz 8 dBi (5GHz) - 24V Proprietary 2 x 10/100/1000 Ethernet Ports IP55	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 5 GHz - 2 x 5 dBi (2.4 GHz) 24V Proprietary 2 x 10/100/1000 Ethernet Ports IP55
Access Points Wi-Fi Standard Operating Radio Management Radio Max. Data Rate on 2.4 GHz Max. Data Rate on 5 GHz Radio Chains / Streams Transmit Power Integrated Antenna External Antenna Power-over-Ethernet Ethernet Ports IP Rating Dimensions	802.11a/n 5GHz 2.4 GHz - 867 Mbps 2 x 2:2 Up to 26 dBm on 5 GHz 19 dBi (5GHz) - 24V Proprietary 2 x 10/100/1000 Ethernet Ports IP55	ENS202 802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 2.4 GHz 8 dBi (5GHz) - 24V Proprietary 2 x 10/100/1000 Ethernet Ports IP55 186 x 100 x 29 mm	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 5 GHz - 2 x 5 dBi (2.4 GHz) 24V Proprietary 2 x 10/100/1000 Ethernet Ports IP55
Access Points Wi-Fi Standard Operating Radio Management Radio Max. Data Rate on 2.4 GHz Max. Data Rate on 5 GHz Radio Chains / Streams Transmit Power Integrated Antenna External Antenna Power-over-Ethernet Ethernet Ports IP Rating Dimensions Mesh Technology	802.11a/n 5GHz 2.4 GHz - 867 Mbps 2 x 2:2 Up to 26 dBm on 5 GHz 19 dBi (5GHz) - 24V Proprietary 2 x 10/100/1000 Ethernet Ports IP55	ENS202 802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 2.4 GHz 8 dBi (5GHz) - 24V Proprietary 2 x 10/100/1000 Ethernet Ports IP55 186 x 100 x 29 mm	802.11b/g/n 2.4 GHz - 300 Mbps - 2 x 2:2 Up to 26 dBm on 5 GHz - 2 x 5 dBi (2.4 GHz) 24V Proprietary 2 x 10/100/1000 Ethernet Ports IP55

EnSky PoE Switches

		PoE Switches				
	EWS2908P	EWS2910P	EWS5912FP	EWS1200-28TFP		
PoE Switches			n			
Switch Class	Layer 2	Layer 2	Layer 2	Layer 2		
Gigabit Ports	8	8	10	24		
Multi-G Ports	0	0	0	0		
SFP Ports	0	2	2	4		
SFP+ Ports	0	0	0	0		
RJ45 Console Port	-	-	Yes	Yes		
PoE Capable Port	Ports 1 - 8	Ports 1 - 8	Ports 1 - 8	Ports 1 - 24		
Powe-over-Ethernet	802.3af	802.3af	802.3af/at	802.3af/at		
Total PoE Budget	55W	55W	130W	410W		
Form Factor	9.45 (Desktop)	9.45 (Desktop)	13″1U	19"1U		
Switching Capacity	16Gbps	20 Gbps	24 Gbps	56 Gbps		
MAC Address Table Size	8K	8K	8K	8K		
Dimensions	240 x 105 x 27 mm	240 x 105 x 27 mm	330 x 230 x 44 mm	440 x 310 x 44 mm		
Cloud Managed	-	-	-	-		

	PoE Switches				
	EWS7926EFP	EWS7928P	EWS7952FP	EWS7952P	
PoE	100000000000000000000000000000000000000	5 000000000000000000000000000000000000		6 (11111 11111 11111 11111)=	
Switches					
Switch Class	Layer 2	Layer 2	Layer 2	Layer 2	
Gigabit Ports	24	24	48	48	
Multi-G Ports	0	0	0	0	
SFP Ports	0	4	4	4	
SFP+ Ports	2	0	0	0	
RJ45 Console Port	Yes	Yes	Yes	Yes	
PoE Capable Port	Ports 1 - 24	Ports 1 - 24	Ports 1 - 48	Ports 1 - 48	
Powe-over-Ethernet	802.3af/at	802.3af/at	802.3af/at	802.3af/at	
Total PoE Budget	410W	185W	740W	410W	
Form Factor	19"1U	19"1U	19"1U	19"1U	
Switching Capacity	88 Gbps	56 Gbps	104 Gbps	104 Gbps	
MAC Address Table Size	16K	8K	16K	16K	
Dimensions	440 x 260 x 44 mm	440 x 260 x 44 mm	440 x 410 x 44 mm	440 x 410 x 44 mm	
Cloud Managed	-	-	-	-	

Cloud-enabled Switches

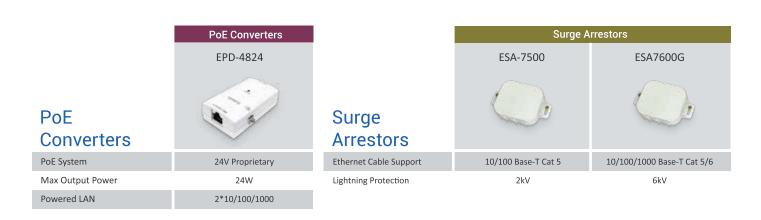
	Cloud-enabled Switches					
	ECS1008P	ECS1112FP	ECS1528	ECS1528P	ECS1528FP	ECS1552
Cloud-enabled Switches			· · · · · · · · · · · · · · · · · · ·			
Switch Class	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+
Gigabit Ports	8	10	24	24	24	48
Multi-G Ports	0	0	0	0	0	0
SFP Ports	0	2	0	0	0	0
SFP+ Ports	0	0	4	4	4	4
RJ45 Console Port	-	Yes	Yes	Yes	Yes	Yes
PoE Capable Port	Ports 1 - 8	Ports 1 - 8	-	Ports 1 - 24	Ports 1 - 24	-
Powe-over-Ethernet	802.3af	802.3af/at	-	802.3af/at	802.3af/at	-
Total PoE Budget	55W	130W	-	240W	410W	-
Form Factor	9.45 (Desktop)	13"1U	19"1U	19"1U	19"1U	19"1U
Switching Capacity	16 Gbps	24 Gbps	128 Gbps	128 Gbps	128 Gbps	176 Gbps
MAC Address Table Size	8K	8K	16K	16K	16K	32K
Dimensions	240 x 105 x 27 mm	330 x 230 x 44 mm	440 x 200 x 44 mm	440 x 260 x 44 mm	440 x 260 x 44 mm	440 x 260 x 44 mm

	Cloud-enabled Switches					
	ECS1552P	ECS1552FP	ECS2512	ECS2512FP	ECS5512	ECS5512FP
Cloud-enablec Switches		Communication and	2.5 GbE	PoE++ 2.5 GbE	10 GbE	PoE++ 10 GbE
Switch Class	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+
Gigabit Ports	48	48	0	0	0	0
Multi-G Ports	0	0	8 x 2.5G	8 x 2.5G	8 x 10G	8 x 10G
SFP Ports	0	0	0	0	0	0
SFP+ Ports	4	4	4	4	4	4
RJ45 Console Port	Yes	Yes	Yes	Yes	Yes	Yes
PoE Capable Port	Ports 1 - 48	Ports 1 - 48	-	Ports 1 - 8	-	Ports 1 - 8
Powe-over-Ethernet	802.3af/at	802.3af/at	-	802.3af/at/bt	-	802.3af/at/bt
Total PoE Budget	410W	740W	-	240W	-	420W
Form Factor	19"1U	19"1U	13"1U	13"1U	13"1U	13"1U
Switching Capacity	176 Gbps	176 Gbps	120 Gbps	120 Gbps	240 Gbps	240 Gbps
MAC Address Table Size	32K	32K	16K	16K	32K	32K
Dimensions	440 x 310 x 44 mm	440 x 310 x 44 mm	330 x 230 x 44 mm	330 x 230x 44 mm	330 x 230x 44 mm	330 x 230x 44 mm

EnSky Accessories

	Sector Antennas				
	SA5219	SA5315	SA2312	SA2216	
	n	n	n	n	
Sector	4	1	1	1	
Antennas					
	4.0a(CCLL-	A DorG CLI-	2 202 701-	2.2%2.7611-	
Frequency	4.9~6GHz	4.9~6 GHz	2.3~2.7GHz	2.3~2.7GHz	
Antenna Gain	19 dBi	15 dBi	12 dBi	16 dBi	
Polarization	Dual	H-H-V	V-V-H	Dual	
Vertical Angle	9°	9°	9°	9°	
Horizontal Angle	120° (6dB)	120° (6 dB)	120° (6dB)	120° (6dB)	
VSWR	2:1 MAX	2:1 MAX	2:1 MAX	2:1 MAX	
Isolation	25 dB	25 dB	25 dB	25 dB	
Antenna Connector	2°N-Type Plus	3°N-Type Plus	3°N-Type Plus	2°N-Type Plus	
Dimensions	740 x 150 x 66mm	740 x 150 x 66 mm	740 x 150 x 66mm	740 x 150 x 66mm	
Mounting	Universal Pole Mount	Universal Pole Mount	Universal Pole Mount	Universal Pole Mount	
Wind Resistance	125 Mph	125 Mph	125 Mph	125 Mph	

	SFP + Swit	tch Module	SFP Switch Module	
	SFP3213-10	SFP3185-03	SFP2213-10	SFP2185-05
Transceiver Modules				
Data Rate	10G bps	10G bps	1.25G bps	1.25G bps
Wave Length	1310 nm	850 nm	1310 nm	850 nm
Max Transmission Dist.	10 km	0.3 km	10 km	0.5 km



	PoE Adapters				
	EPA5012GP	EPA5006GP	EPA5006GR	EPA5006GAT	
PoE Adapters					
Input Voltage	100V~240V AC	100V~240V AC	100V~240V AC	100V~240V AC	
Input Current	1.12A @ 120V AC	0.8A @ 120V AC	0.8A @ 120V AC	0.8A @ 120V AC	
Power-over-Ethernet	54V Proprietary	54V Proprietary	54V Proprietary	802.3at	
Max Output Power	60W	32.8W	32.8W	30W	
Ethernet Ports Std.	10/100/1000 Mbit/s	10/100/1000 Mbit/s	10/100/1000 Mbit/s	10/100/1000 Mbit/s	
Dimension	100 x 58.4 x 33.4 mm				
Temperature	Operation: 0 ~ 40°C (42 ~ 140 °F)	Operation: 0 ~ 40°C (42 ~ 140 °F)	Operation: 0 ~ 40°C (42 ~ 140 °F)	Operation: 0 ~ 40°C (42 ~ 140 °F)	

	PoE Adapters				
	EPA2410GP	EPA2406FP	EPA2406GP	EPA2406GR	
PoE Adapters					
Input Voltage	100V~240V AC	100V~240V AC	100V~240V AC	100V~240V AC	
Input Current	0.7A @ 120V A	0.4A @ 120V AC	0.4A @ 120V AC	0.4A @ 120V AC	
Power-over-Ethernet	24V Proprietary	24V Proprietary	24V Proprietary	24V Proprietary	
Max Output Power	24W	14.4W	14.4W	14.4W	
Ethernet Ports Std.	10/100/1000 Mbit/s	10/100 Mbit/s	10/100/1000 Mbit/s	10/100/1000 Mbit/s	
Dimension	100 x 58.4 x 33.4 mm	100 x 58.4 x 33.4 mm	100 x 58.4 x 33.4 mm	100 x 58.4 x 33.4 mm	
Temperature	Operation: 0 ~ 40°C (42 ~ 140 °F)	Operation: 0 ~ 40°C (42 ~ 140 °F)	Operation: 0 ~ 40°C (42 ~ 140 °F)	Operation: 0 ~ 40°C (42 ~ 140 °F)	



