



PRODUCT CATALOGUE



red dot award 2014
winner



COMPUTEX
TAIPEI AWARDS 2015



TAIWAN
EXCELLENCE 2016



About Us

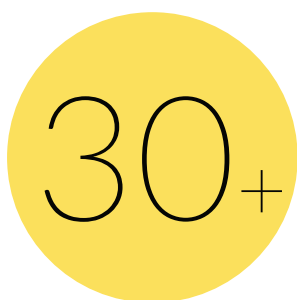
Established in 1979, EnGenius is an industry expert in wireless communications and radio frequency (RF) technology for businesses, service providers, and consumers. Our mission is to deliver best-in-class voice and data solutions that enhance productivity and embrace simplicity. We believe connectivity should come with a promise of reliability, rich features, and personalized service while maintaining affordability.

EnGenius was officially listed on the TWSE (TAIEX: 3558) and launched its IPO in 2013. The company continuously invests in R&D to maintain its competitive advantage and provide innovative network solutions. Additionally, all EnGenius products are 100% made in Taiwan and ISO 9001 and ISO14001 certified, ensuring delivery of high-quality products to the market. Five global branch offices are located in the United States, Canada, Netherlands, Singapore, and Dubai, offering prompt service and regional technical support.

EnGenius' comprehensive product line includes PoE controller switches, indoor and outdoor wireless networking products, surveillance and wireless mesh networks for both consumer and business class market. As a world-leading network provider, EnGenius is globally recognized through such awards as the Taiwan Excellence Awards, Red Dot Design Award, and Computex d&i awards. With deep experience in the networking industry, we help millions of customers worldwide successfully deploy state-of-the-art wireless solutions for a wide range of applications and market sectors, including hospitality, government, transportation, and education.



Global Offices



Years Reliability



Manufactured
in Taiwan



In-house Engineers

EnGenius Networks (S) Pte. Ltd.

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Office # 0807, LB180807 Jafza View 18, Jebel Ali Free Zone, P.O. Box 61388 Dubai U.A.E.
www.engenius-me.com | EnGenius International

End-to-End Solution

Confidently Plan, Deploy, & Manage Wi-Fi Networks Supported by Industry Experts

Introducing EnGenius' cloud networking solution of hardware and software tools. Perfect for IT agencies looking to achieve more efficient IT management and save on labor cost. Build a proactive deployment plan and deliver customized reports to win a client's business. EnGenius End-to-End Solution helps you develop a comprehensive network deployment from start to finish.



PLAN

Automate Planning with **ezWIFI Planner**

ezWIFI planner enables you to simulate the best optimized wireless networks. Easily upload plans, conduct surveys, optimize your networks, and propose generated solutions for successful project deployments.



DEPLOY

Install Access Points & Configure Centrally

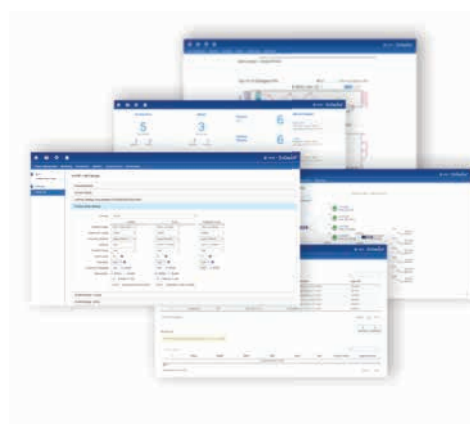
Implement your optimized solution with EnGenius' comprehensive line of hardware. Simply provision and configure all of your network hardware with ezMaster for easy deployment at the push of a button.



MANAGE

Monitor and Analyze Network with **ezMaster**

Centrally manage networks from a single dashboard locally, remotely or via a cloud service. ezMaster empowers you to monitor, manage and troubleshoot your deployed networks. Measure network traffic trends, observe access point throughput, & detect suspicious network activity with real time alerts.



There's never been a BETTER TIME to start 11ac WAVE2 Wi-Fi with EnGenius.

Indoor

Wall Plate



Ceiling AP



Hybrid



Outdoor



ENTURBO
Turbocharged
Wi-Fi

**Quad
Core**

30%
Faster than

Multi-User
MIMO

**Beam
Forming**

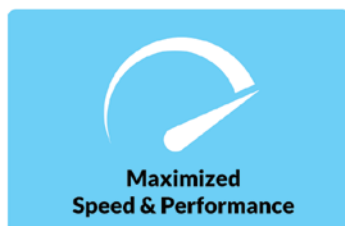
PoE
Support

11AC
Wave2

IP55
(Outdoor Series
Only)

Licensing Free
ezMaster
Management

Next Generation Wireless that supports today's content-rich mobile world.



11ac Wave 2 technology maximizes wireless speed to eliminate network lag ensuring top-notch network performance.



Beamforming Antenna technology directs and adjusts signal beams as staff or customers move throughout the area, ensuring optimal signal and reception reliability.



Upgrade from slower, older technology while supporting the future needs of IoT and mobile technology. Ensure your network against further upgrades for the next five years.



Multi-User (MU) MIMO sends dedicated wireless streams to multiple user devices at the same time, improving your network's efficiency.

The Neutron Solution

Distributed Network Management Solution

ezMaster

Remote Multi-Site Network Management

Remotely manage an unlimited number of EnGenius devices locally, remotely or via a cloud-based service with our License-Free Network Management Software ezMaster.

Rich Reporting & Analysis

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

System Requirements

Recommended environment for managing up to 500 APs

CPU : Intel® Core™ i7 quad-core or above

RAM : 4GB minimum

HDD : 500GB (actual requirement is dependent on log size)

OS : Microsoft® Windows® 7 or later + VMware® Player 7.0 compatible virtualization software

Recommended environment for managing up to 1000 APs

CPU : Intel® Xeon® Processor E3 or above

RAM : 4GB minimum

HDD : 500GB (actual requirement is dependent on log size)

OS : Microsoft® Windows® 7 or later + VMware® Player 7.0 compatible virtualization software

Browser Requirement

Internet Explorer 10 or better

Firefox 34.0 or better

Chrome 31.0 or better

Safari 8.0 or better

Network Topology Requirements

At sites where APs are deployed :

A DHCP-enabled network for APs to obtain IP address

Enterprise Class Distributed Network Management Solution

Centralized Management

- Configure, Managed & Monitor 1,000+ Neutron 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
- Secure 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
- Kick/Ban Clients
- One-Click Update
- Remote Logging
- Seamless Migration
- Syslog



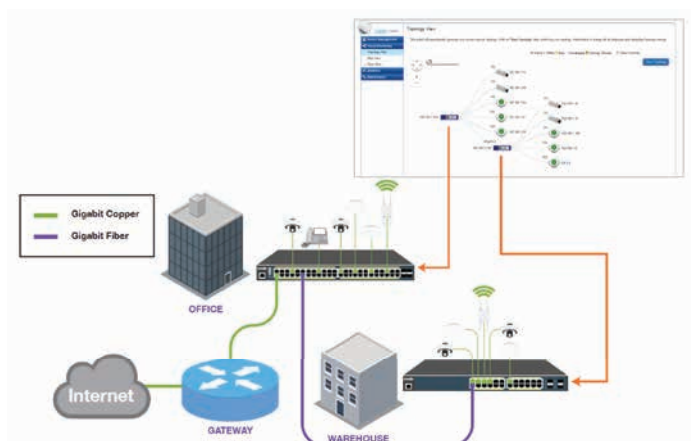
The Neutron Series | Distributed Network Management Solution

ezMaster

Simplified WLAN Management

Whether you want to manage a few or 1,000+ APs and switches on networks in different locations with different sizes and infrastructures or 10 to 10,000 concurrent users, the EnGenius ezMaster Network Management Platform makes it easy. How? Through centralized bulk configuration, provisioning and monitoring, a comprehensive at-a-glance network dashboard, rich analytics and reporting, and much more.

If EnGenius Neutron Series Switches and APs are the brawn, ezMaster is the brain giving you total control over your network, or networks, no matter how diverse or geographically distributed. Deployed on a local or remote server or in the cloud, ezMaster lowers total operating costs by speeding deployment, configuration and monitoring of an entire network with minimal IT assistance.



Controller Switch

Industry First-Ever Smart Switch to Redefine Network Management

Remotely manage Neutron Access Points, Switches, and IP Cameras through ezMaster Network Management Software. Centrally manage hundreds of Neutron devices across the network regardless of its size or location with no licensing or subscription fees.

Intelligent troubleshooting makes it easy to zoom in on problem APs by automatically verifying the route between devices, and providing a solution to solve the issue.

Available in 8, 24 and 48 port models, each Neutron Series switch can also act as a wireless network controller, giving IT administrators visibility into all Neutron Series APs. This allows them to be grouped into clusters with the same settings and policies applied automatically.

EnGenius Neutron Series switches can deliver up to 30 watts per port to power devices like APs, IP cameras, and VoIP (voice-over-IP) phone systems. They offer Power-over-Ethernet (PoE) support for installations in hard to reach places as well as SEP slots for longer fiber uplinks.



Managed Access Point

Ideal for Versatile Indoor and Outdoor Applications

Designed for large-scale indoor or outdoor use, Neutron Series Access Points offer high, reliable data rates from affordable single band 11n to high performance 11ac wave2, all with Power-over-Ethernet (PoE) convenience. These high-performance yet affordable APs can also be deployed either as a standalone device (Fat AP), or managed centrally by management entities in each distributed network.

IT managers or network administrators have the option to configure Neutron Access Points in clusters with identical settings and change those settings or upgrade firmware simultaneously after deployment.

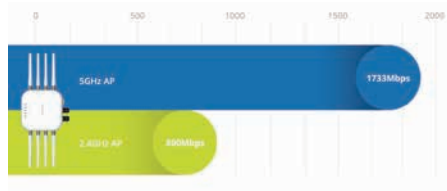
Get realtime or historical visibility of the traffic being handled by the deployed Neutron Series Access Points, allowing you to identify any breaches in security, any abnormalities in the wireless network, or any particular client device that may be using an inordinate amount of bandwidth.

While EnGenius Neutron Series Indoor Access Points offer the flexibility of a wall or ceiling-mount option, our Outdoor Access Points feature up to IP68 rated housings to withstand even the harshest environmental conditions.

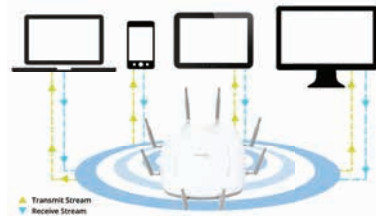
Neutron Series Product & Technology Highlights

1 Ultra-Fast Future Proof & Crowd Proof Networks

Delivers the highest available speeds for Wi-Fi devices reaching 2.5Gbps



Four Spatial streams and dual-concurrent MU-MIMO radio operation sends beams to multiple users simultaneously, creating increased network capacity.



Intelligent Wi-Fi and Beamforming technology focus signals directly to client devices, providing optimal, reliable reception even in densely crowded environments.



2 EnGenius Wireless Mesh

We make MESH easy for complex application.

MESH is Flexible and Expandable

Instant Expansion

- Wireless mesh nodes can be added or relocated based on coverage and capacity requirement.
- EnGenius Mesh APs are flexible to deploy - wall mount, ceiling mount and pole mount.

Untangled & Versatile Network

- Convenient deployment when Ethernet connections are lacking and/or wireless signals are intermittently blocked.

MESH is SMART

Smart Route

- EnGenius unique meshing protocol to establish the best path
- Automatically identify the best route selection for faster convergence and failover to a healthy node if an AP fails.

Smart Webbing

- Automatically link up the devices in same group to the existing network structure without needing any configuration by a network administrator
- Wireless mesh nodes can be added or relocated based on coverage and capacity requirement

Smart Healing

- The mesh nodes regeneratively link up with each other reducing downtime when a wireless link is lost.

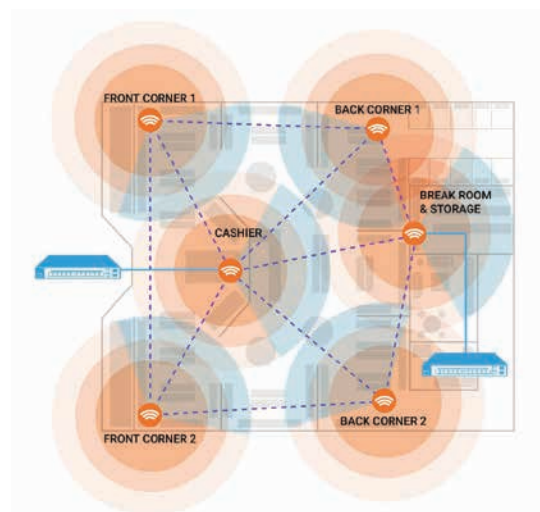
MESH is manpower-saving

Reduce Cabling Cost

- Wireless mesh nodes are easy to deploy and decommission with zero configuration.
- No running wires. Mesh APs can be powered by DC Input or PoE injector.

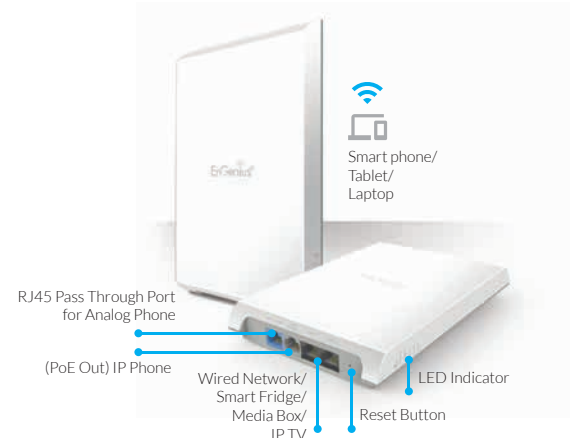
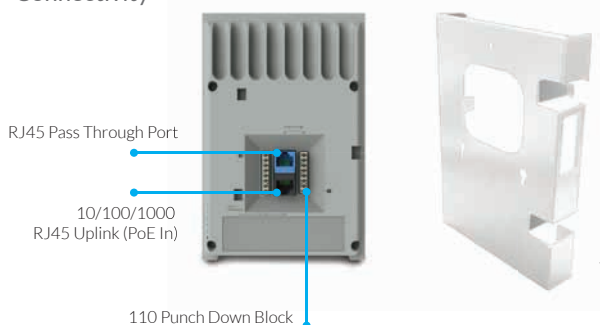
Competitive Budget Proposal

- Low installation cost and man-hours cost.



3 Wall Plate Access Points

All-in-One Communication "hub" for In-room Wireless Connectivity



Simple, Reliable & Cost Effective Network Controller Solutions



Scalable

- Complete scalability regardless of project size
- Easily deploy and manage unlimited APs and unlimited number of networks



Flexible

- Centrally manage unlimited APs and switches locally, remotely or via the Cloud.
- Comprehensive product portfolio for flexible deployment



Affordable

- Lower Capital & Operating Expenses
- No hidden cost. No subscription & Licensing Fee
- Enterprise grade at affordable budget

Designed for :



Managed Service Provider (MSP)



Education



Healthcare



Hotel Chain



Retail Chain

1 Smart Hotel Wi-Fi Planning & Solution



The EnGenius Solution

- ✓ Wide range of product portfolio for resort / hotel Wi-Fi deployment.
 - ✓ Intelligent network management platform.
 - ✓ Exceptional coverage and reliable
 - ✓ Connectivity
- Scalable and expandable without additional cost, subscription fee, extra hardware upgrade and licensing fee.

Recommended Models

Indoors : EWS360AP, EWS330AP, EWS550AP

Outdoors : EWS660AP, EWS860AP

Management Platform :

ezMaster, EWS1200-28TFP

2 Wi-Fi Planning for warehouse









The EnGenius Solution

- ✓ Mesh AP are flexible to deploy - Wall mount, Ceiling mount and Pole mount.
- ✓ Less wiring constraints makes easy to place the AP based on desired coverage area.
- ✓ Minimum environment modification.

Neutron Series

■ Controller Switch

						
EWS MANAGED AP	50	50	50	50	50	50
SWITCH MANAGEMENT	L2	L2	L2	L2	L2	L2
RJ45 GbE PORTS	48	24	24	24	10	8
SFP SLOTS	4	4	4	10G x 2	2	2
CONSOLE PORT	1	1	1	1	1	-
PoE STANDARD	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af
PoE PORTS	port 1-48	port 1-24	port 1-24	port 1-24	port 1-8	port 1-8
PoE POWER BUDGET	740W	410W	185W	410W	130W	61.6W
DIMENSIONS	19 inch-1U	19 inch-1U	19 inch-1U	19 inch-1U	13 inch-1U	240x105x27mm

■ Wireless Mesh AP with Surveillance



EWS1025CAM

Features & Benefits :

- 2-in-1: Mesh 11ac Wireless AP & IP Surveillance Camera
- Eliminate Wi-Fi Dead Zones & Get Widespread Visibility
- Fast 11ac Speeds to 867 Mbps for Smooth, Buffer-Free Connections
- View & Record Suspicious Activity With Night Visibility to 65 ft.
- Wide, 120° 2-MP Lens Captures HD Images Over a Broader Field
- Mesh Smart-Sensing Simplifies Installation & Optimizes Connectivity
- 802.3at/af-Compliant PoE Supports Flexible Device Placement
- One Device, One Install, One Wire Run Reduces Time & Material Costs
- Operate as a Stand-Alone or Expand to Centrally Manage
- Includes 16-Channel VM Software With Live Monitoring
- Eliminate the Need for Cloud Storage With Onboard SD Card Storage
- Secure Your Network While Providing Guest Access



EnVMS App Sends Alerts To Your Mobile Device

The EnVMS app enables users to access multiple groups of videos on their network using mobile devices from any location with an Internet connection. Motion detection will trigger a video alert message to be sent to designated smart devices, prompting the user to check playback or view the movement in real time.

Neutron Series

■ Outdoor Managed Access Points



EWS871AP



EWS870AP



EWS860AP



EWS660AP

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
FREQUENCY	2.4 & 5 GHz	2.4 & 5 GHz	2.4 & 5 GHz	2.4 & 5 GHz
2.4GHz MAX DATA RATE	800Mbps	800Mbps	450Mbps	450Mbps
5GHz MAX DATA RATE	1733Mbps	1733Mbps	1300Mbps	1300Mbps
STREAMS	4x4 : 4	4x4 : 4	3x3 : 3	3x3 : 3
IP RATING	IP67	IP67	IP68	IP55
PRIMARY ETHERNET PORTS	1 x Gigabit Port	1 x Gigabit Port	1 x Gigabit Port	1 x Gigabit Port
SECONDARY ETHERNET PORTS	1 x Gigabit Port	1 x Gigabit Port	1 x Gigabit Port (PoE Output)	1 x Gigabit Port
PoE COMPLIANT	802.3at	802.3at	802.3at	802.3at
ANTENNA	N-Type Omni 4x5dBi 2.4GHz / 4x7dBi 5GHz	Internal 8* 3dBi	N-Type Omni 3x 5dBi 2.4GHz / 3x 7dBi 5GHz	Internal 5dBi Omni-Patch
OPERATION MODES	Managed AP Standalone AP	Managed AP Standalone AP	Managed AP Standalone AP Mesh AP	Managed AP Standalone AP Mesh AP

■ Indoor Managed Access Points

-Wall Plate



EWS550AP

WI-FI STANDARD	802.11a/b/g/n/ac wave 2
FREQUENCY	2.4 & 5 GHz
2.4GHz MAX DATA RATE	400Mbps
5GHz MAX DATA RATE	867Mbps
STREAMS	2x2 : 2
ETHERNET PORTS	1 x 10/100/1000 Mbps Uplink Port 3 x 10/100/1000 Mbps Access Port (with 1 x PoE Out) 2 x RJ45 Pass Through Port 1 x 110 Punch Down Block
PoE COMPLIANT	802.3at
RJ45 PASS-THROUGH	•
ANTENNA	Internal 2x 4dBi / 2x 5dBi
OPERATION MODES	Managed AP Standalone AP Mesh AP

Neutron Series

■ Indoor Managed Access Points



EWS371AP



EWS370AP



EWS330AP

WI-FI STANDARD	802.11ac/a/b/g/n wave 2	802.11ac/a/b/g/n wave 2	802.11ac/a/b/g/n wave 2
FREQUENCY	2.4 & 5GHz	2.4 & 5GHz	2.4 & 5GHz
2.4GHz MAX DATA RATE	800Mbps	800Mbps	400Mbps
5GHz MAX DATA RATE	1733Mbps	1733Mbps	867Mbps
STREAMS	4x4: 4	4x4: 4	2x2 : 2
ETHERNET PORTS	2 x Gigabit Port	2 x Gigabit Port	1 x Gigabit Port
PoE COMPLIANT	802.3at	802.3at	802.3af/at
ANTENNA	External 8x 3dBi	Internal 8x 3dBi	Internal 4x 5dBi
OPERATION MODES	Managed AP Standalone AP	Managed AP Standalone AP	Managed AP Standalone AP Mesh AP



EWS360AP



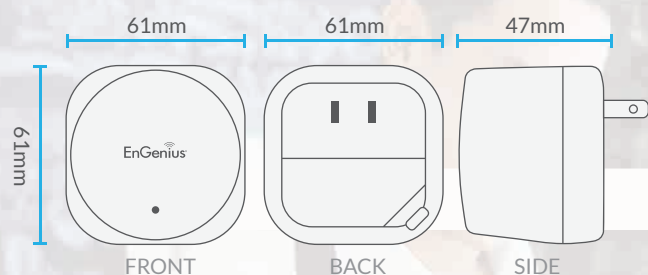
EWS350AP



EWS1025CAM

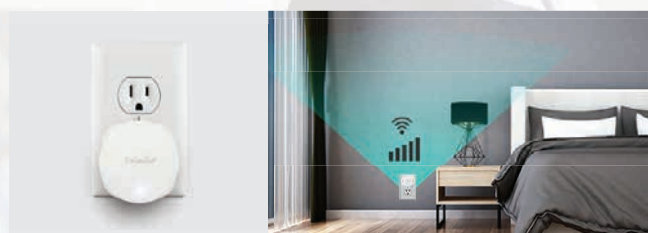
WI-FI STANDARD	802.11ac/a/b/g/n	802.11ac/a/b/g/n	802.11ac/a/b/g/n
FREQUENCY	2.4 & 5GHz	2.4 & 5GHz	2.4 & 5 GHz
2.4GHz MAX DATA RATE	450Mbps	300Mbps	300Mbps
5GHz MAX DATA RATE	1299Mbps	867Mbps	866Mbps
STREAMS	3x3 : 3	2x2 : 2	-
ETHERNET PORTS	1 x Gigabit Port	1 x Gigabit Port	1 x Gigabit Port
PoE COMPLIANT	802.3af/at	802.3af/at	802.3at
ANTENNA	Internal 6x 5dBi	Internal 4x 5dBi	Internal 4x 5dBi
OPERATION MODES	Managed AP Standalone AP Mesh AP	Managed AP Standalone AP Mesh AP	Managed AP Standalone AP Mesh AP

Wi-Fi DOT



The World's Smallest AC1300 Access Point

The EnGenius Wi-Fi Dot is designed with a smaller size, but provides highly AC1300 performance combine with power plug. EMD1 also be built-in En-Mesh™ wireless link technology to extend Wi-Fi ranges throughout your entire home or small office all the time.



Blends Into the Background

Compact plug-in design fits into any environment without being noticed. Ideal for hotel and retail where appearance matters.



Management with Ease

EnGenius ezMaster takes the confusion out of network operation. Simplify installation and centralize management of multiple devices across a hotel chain or retail branches.

Wi-Fi DOT



EMD1

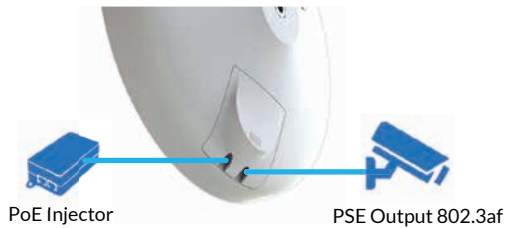
Wi-Fi STANDARD	802.11b/g/n/ac wave 2
2.4GHZ	•
5GHZ	•
DATA RATES	400 + 867Mbps
LAN	10/100/1000 x1
ANTENNA	Internal 4 x 5dBi
OPERATION MODES ¹	AP/ AP Bridge / Mesh AP
DIMENSIONS	61 x 61 x 47mm

¹Legend:

RE --- Repeater
WDS-AP --- WDS Access Point
WDS-BR --- WDS Bridge
WDS-ST --- WDS Station
AP --- Access Point
CB --- Client Bridge
CR --- Client Router

Product & Technology Highlights

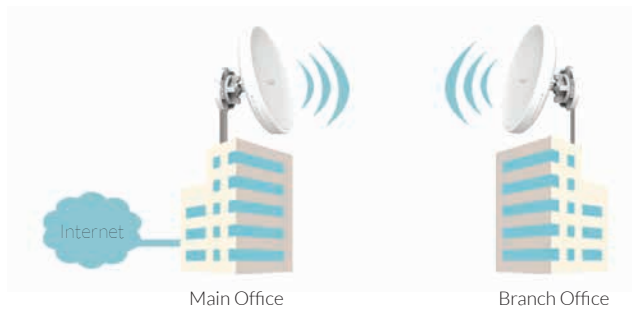
1 Eliminate additional PoE to IP CAM with a single PoE supply



EnStationAC supports 802.3at PoE input 2nd PSE out which is in compliance with 802.3af standard.

- **Power over Ethernet (PoE) :**
Compliant with IEEE 802.3at input or proprietary 54V input
- **Power Supply Ethernet (PSE) :**
IEEE 802.3at PoE supply to other PoE devices

2 Point-to-(Multi) Point Wireless Networking



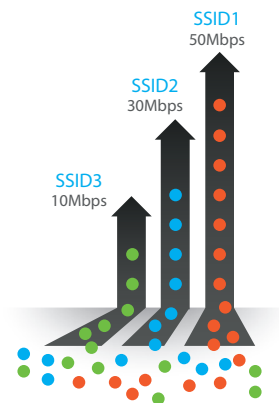
ENS500AC : 1-3km
EnStation AC : 5-10km*
ENH1750EXT : 10-20km
(with high gain directional antenna)

*EnStation AC Wireless Throughput Test Result: Achieved up to 440Mbps in 1km PtP.



Layer 2 Wireless Client Isolation

Wireless Client Isolation prevents communication between WLAN clients and other local network resources. L2 Wireless Client Isolation function isolates wireless client to communicate with other clients from all hosts on the same subnet, basically create the virtual network per client.

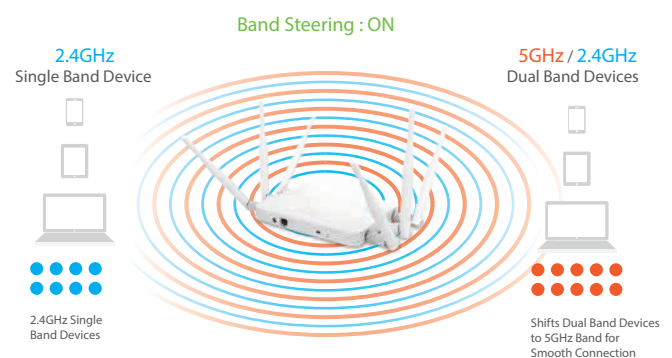
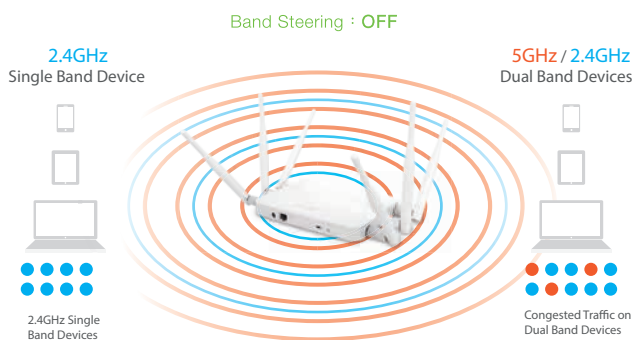


Traffic Shaping

Limiting bandwidth per user and per SSID allows administrator to manage, control the traffic efficiency. As well as prevent bandwidth are occupied by the slower client devices. It brings better wireless client user experience.

Band Steering (Available on Dual Band Products)

For effective spectrum usage, several of Electron Series Access Point includes a Band Steering option which when applied, automatically shifts the connection of Dual-Band clients to the 5GHz band where is less traffic and more available RF channels.



ACCESS POINT

■ Enterprise Outdoor

					
	ENH1350EXT	ENS620EXT	ENH1750EXT	ENH500	ENH202
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/n	802.11b/g/n
2.4GHZ	•	•	•		•
5GHZ	•	•	•	•	
DATA RATES	400 + 867Mbps	400 + 867Mbps	450 + 1300Mbps	300Mbps	300Mbps
LAN	10/100/1000 x 1	10/100/1000 x 2	10/100/1000 x 2	10/100x 2	10/100 x 2
ANTENNA	RP-SMA 4x 5dBi Omni	RP-SMA 4x 5dBi Omni	N-Type Omni 3x 5dBi 2.4GHz / 3x 7dBi 5GHz	Internal Panel 13dBi Dual Polarization	Internal Panel 10dBi Dual Polarization
OPERATION MODES ¹	AP WDS-AP/BR/ST/ Mesh AP*	AP / CB WDS-AP/BR/ST	AP WDS-AP/BR/ST/ Mesh AP	AP / CB / CR WDS-AP/BR/ST	AP / CB / CR WDS-AP/BR/ST
IP RATING	IP67	IP55	IP68	IP55	IP55
PoE STANDARD	48V	24V	at	24V	24V
PSE Output	No	No	Yes	No	No

* Release in Q4 2018

■ Outdoor Bridges/AP

					
	ENS500EXT-AC	ENS500-AC	ENS500EXT	ENS500	ENS202EXT
Wi-Fi STANDARD	802.11a/n/ac wave 2	802.11a/n/ac wave 2	802.11a/n	802.11a/n	802.11b/g/n
2.4GHZ					•
5GHZ	•	•	•	•	
DATA RATES	867Mbps	867Mbps	300Mbps	300Mbps	300Mbps
LAN	10/100/1000 x 2	10/100/1000 x 2	10/100 x 2	10/100 x 2	10/100 x 2
ANTENNA	RP-SMA 2x 5dBi Omni	Internal Panel 11dBi Dual Polarization	RP-SMA 2x 5dBi Omni	Internal Panel 10dBi Dual Polarization	RP-SMA 2x 5dBi Omni
OPERATION MODES ¹	AP / CB WDS-AP/BR/ST	AP / CB WDS-AP/BR/ST	AP / CB / RE / CR WDS-AP/BR/ST	AP / CB / RE / CR WDS-AP/BR/ST	AP / CB / RE / CR WDS-AP/BR/ST
IP RATING	IP55	IP55	IP55	IP55	IP55
PoE STANDARD	24V	24V	24V	24V	24V

¹Legend:

RE --- Repeater
WDS-AP --- WDS Access Point
WDS-BR --- WDS Bridge
WDS-ST --- WDS Station



AP --- Access Point
CB --- Client Bridge
CR --- Client Router

ACCESS POINT

■ Outdoor Bridges/AP

				
	ENS202	EnStationAC	EnStation5-AC	EnStation5
Wi-Fi STANDARD	802.11b/g/n	802.11a/n/ac	802.11a/n/ac wave 2	802.11a/n
2.4GHZ	•			
5GHZ		•	•	•
DATA RATES	300Mbps	867Mbps	867Mbps	300Mbps
LAN	10/100 x 2	10/100/1000 x 2	10/100/1000 x 2	10/100 x 2
ANTENNA	Internal Panel 8dBi Dual Polarization	Internal Panel 19dBi Dual Polarization	Internal Panel 19dBi Dual Polarization	Internal Panel 19dBi Dual Polarization
OPERATION MODES ¹	AP / CB / RE / CR WDS-AP/BR/ST	AP / CB WDS-AP/BR/ST	AP / CB WDS-AP/BR/ST	AP / CB / CR WDS-AP/BR/ST
IP RATING	IP55	IP55	IP55	IP55
PoE STANDARD	24V	1x at in -1x af out	24V	24V

■ Ceiling Mount Indoor AP

			
	EAP2200	EAP1300EXT	EAP1300
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
2.4GHZ	•	•	•
5GHZ	•	•	•
DATA RATES	400 + 867 + 867Mbps	400 + 867Mbps	400 + 867Mbps
LAN	10/100/1000 x 2	10/100/1000	10/100/1000
ANTENNA	Internal 6 x 5dBi	RP-SMA 4 x 5dBi	Internal 4 x 5dBi
OPERATION MODES ¹	AP WDS-AP/BR	AP WDS-AP/BR/RE	AP WDS-AP/BR/RE
PoE STANDARD	af	af	af

¹Legend:

RE --- Repeater
WDS-AP --- WDS Access Point
WDS-BR --- WDS Bridge
WDS-ST --- WDS Station

AP --- Access Point
CB --- Client Bridge
CR --- Client Router

ACCESSORIES

■ Antenna



5GHz

SA-5315



5GHz

SA-5219



2.4GHz

SA-2312



2.4GHz

SA-2216

FREQUENCY	4.9~6GHz	4.9~6GHz	2.3~2.7GHz	2.3~2.7GHz
ANTENNA GAIN	15dBi	19dBi	12dBi	16dBi
POLARISATION	V-H-H	Dual	V-V-H	Dual
VERTICAL ANGLE	9°	9°	9°	9°
HORIZONTAL ANGLE	120°(6dB)	120°(6dB)	120°(6dB)	120°(6dB)
VSWR	2:1 MAX	2:1 MAX	2:1 MAX	2:1 MAX
ISOLATION	25dB	25dB	25dB	25dB
ANTENNA CONNECTOR	3*N-Type Plug	2*N-Type Plug	3*N-Type Plug	2*N-Type Plug
DIMENSIONS	740x150x60 mm	740x150x60 mm	740x150x60 mm	740x150x60 mm
MOUNTING	Universal Pole Mount	Universal Pole Mount	Universal Pole Mount	Universal Pole Mount
WIND RESISTANCE	200km/h	200km/h	200km/h	200km/h

POE ADAPTER

■ IEEE standard



EPA5006GAT

■ Proprietary



EPA5006GP

PoE SYSTEM	IEEE802.3at	54V Proprietary
MAX OUTPUT POWER	30W	30W
POWERED LAN	1*10/100/1000	1*10/100/1000

SURGE ARRESTOR

■ Surge Arrestor



ESA7600G



ESA7500

ETHERNET CABLE SUPPORT	10/100/1000 Base-T Cat 5/6	10/100 Base-T Cat 5/6
LIGHTNING PROTECTION	6kV	2kV

Whole Home **Mesh** Wi-Fi System

The EnGenius Mesh Router is designed as a holistic system. The built-in EnMesh wireless link technology enables multiple mesh routers and APs to connect together to extend Wi-Fi coverage for home or office (outdoors, indoors, on the backyard patio) simultaneously. In addition, the user has total control and easy access to the Wi-Fi mesh network system via the EnMesh mobile app!

EnMesh Technology

With the built-in EnMesh enterprise-grade mesh technology, the mesh routers will automatically detect the best connection among mesh APs to deliver the most performant Wi-Fi coverage. The system will recover to build a new connection in the event that one device loses signal or malfunctions, ensuring stable Wi-Fi availability at home.

EnMesh App



The EnMesh app makes monitoring and controlling your new EnMesh network as simple as it is to install. Keep your devices secure, configure guest access, and manage family screen time.



Mesh Wi-Fi

■ Mesh Router



EMR3000

Wi-Fi STANDARD	802.11b/g/n/ac
2.4GHZ	•
5GHZ	•
DATA RATES	300 + 867Mbps
LAN	10/100/1000 x2
USB PERSONAL CLOUD	•
ANTENNA	Internal 4 x 5dBi
OPERATION MODES ¹	Router/ AP/ AP Bridge
PRIMARY APPLICATION	Mesh Wi-Fi System
DIMENSIONS	127 x 127 x 47.2mm

¹Legend:

RE --- Repeater
WDS-AP --- WDS Access Point
WDS-BR --- WDS Bridge
WDS-ST --- WDS Station
AP --- Access Point
CB --- Client Bridge
CR --- Client Router



Offices

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EnGenius®

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