



EnGenius[®]
Product Catalogue 2014

INDEX

04

About EnGenius

05

WISP / ENTERPRISE NETWORK SOLUTIONS

- 09 Outdoor AP & CPE
- 21 Indoor AP & CPE
- 30 PoE Ethernet Switch
- 35 EWS & EWS AP
- 42 IP Surveillance

49

LIGHT BUSINESS / HOME NETWORK SOLUTIONS

- 50 EnGenius Cloud
- 54 Broadband Router
- 56 Media Bridge/Repeater
- 57 Home Switch
- 57 USB Adapter

ABOUT ENGENIUS



- **Neihu R&D Centre (TW)**

- Founded in January, 2012
- Focus on IP Camera, Surveillance, NVR products development

- **Hsinchu R&D Centre (TW)**

- Founded in January, 2012
- Focus on own products new features development, function enhancement

- **EnGenius Headquarters (TW)**

- Located in Taoyuan City
- Focus on new platform, new products development

EnGenius Networks Singapore Pte. Ltd, a branch of Senao Networks Taiwan, is the sales, service and marketing hub of Asia Pacific region since 1993. We are the gem in the networking industry who works on R&D, manufacturing and production, quality control, brand development all by ourselves.

EnGenius is well-known for competency in wireless connectivity. EnGenius have grown to expand our product line from only wireless AP and AP controller, to also POE switch, IP camera and networking cloud platform. With years of leadership in the long range wireless, EnGenius provides total network connectivity solutions for home consumers, small and medium-sized business, enterprise and various environment such as campus, hotel, hospital and city hotspot coverage, 3G offload and wireless surveillance. Our wireless LAN products are designed to deliver high performance, long range, feature-rich, ease of use and yet affordable to cater various deployments.



WISP / ENTERPRISE NETWORK SOLUTIONS

*Outdoor AP & CPE
EWS & EWS AP*

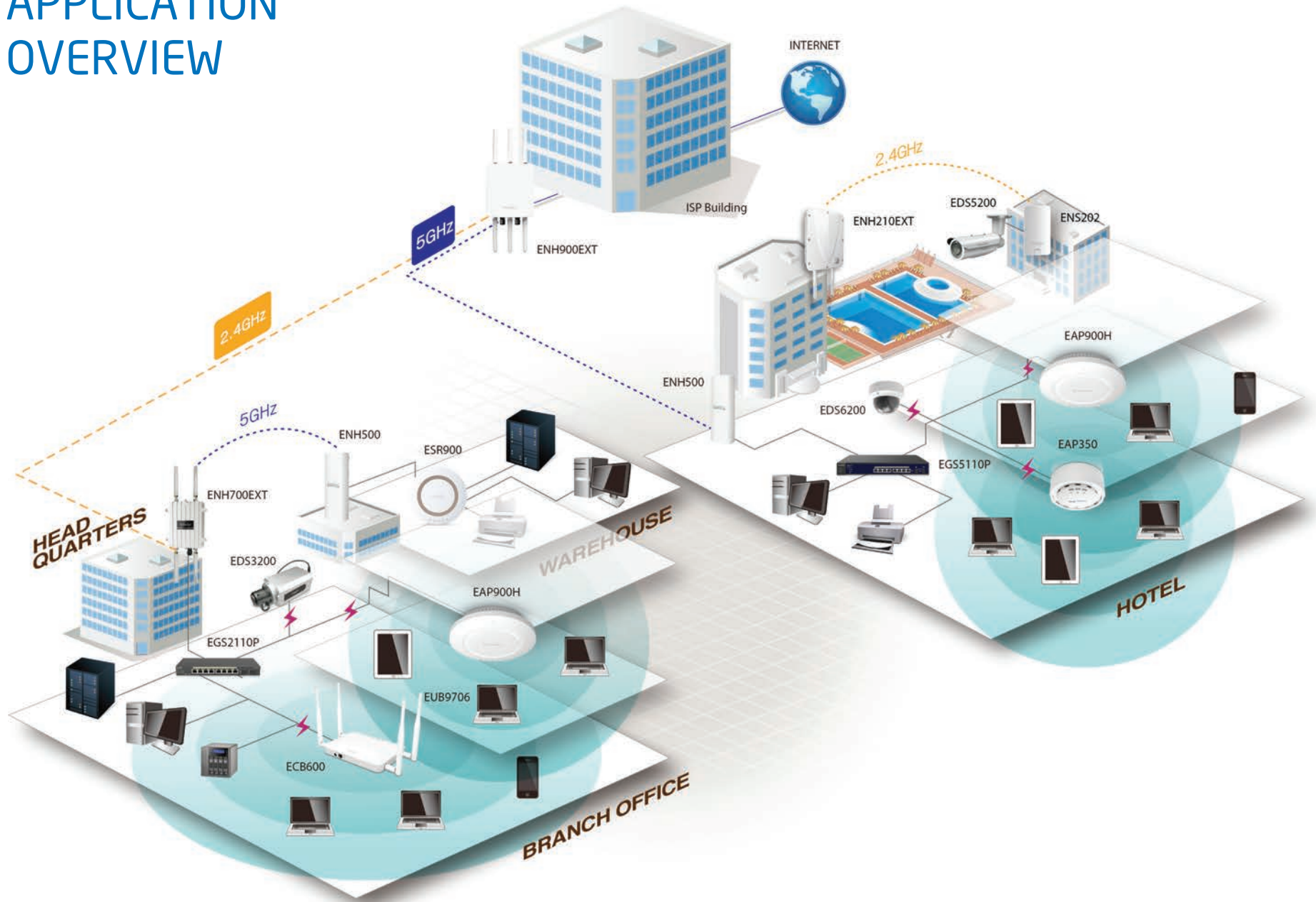
*Indoor AP & CPE
IP Surveillance*

PoE Ethernet Switch

Network your omnipresent success with EnGenius.

EnGenius assists carrier, enterprise, small-to-medium business partners building the complex networking connectivity with value-added system service to manage a variety of demanding application usages upon reliable performance and robust design.

APPLICATION OVERVIEW



EZ CONTROLLER

EnGenius Zone Controller Access Point Management software provides a robust suite of tools for IT managers, installers and network administrators who deploy, manage and maintain wireless networks. With EZ Controller, EnGenius Wireless Indoor and Outdoor Access Points and Client Bridges can be configured, controlled and monitored from one central location.

- Easy-to-use User Interface
- Optimize network performance
- Eliminate downtime
- Check real-time wireless coverage
- Monitor and control each asset
- Monitor traffic loads by AP, MAC or IP address
- Sequential firmware upgrades to deployed APs / Bridges
- Import and archive floorplan maps for radio coverage plotting
- Label assets by MAC or IP address or user-defined aliases
- Export real-time AP statistics report



ENS Series

EAP Series

ECB Series

ENH Series

(Check product specification to learn more supported models)



Configure, control and monitor EnGenius Enterprise Wireless Devices from one central location.

Ideal for different business environments :

Villa



Hotel



Office



Shopping Mall



MULTIPLE OPERATION MODE

Client Bridge

Also known as Ethernet Client. In this mode, AP will act as a WLAN card to connect with remote AP. Users can connect PC or local LAN to the Ethernet port of the client bridge mode AP. This mode is mostly used as a CPE device for WISP subscriber service.



Universal Repeater

A universal repeater extends the wireless coverage of another wireless AP or router. The advantage of the universal repeater is that the remote device does not need to have WDS function and may not need to be the same brand. Therefore, it can work with almost any wireless device.



AP Router

The Ethernet port will behave as a WAN port for wired connection to ADSL or Cable modem. The NAT routing will be performed between the WAN and WLAN. Making IP sharing possible.



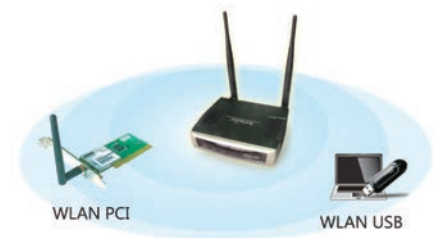
WDS Station

It is similar to the Client Bridge, but it uses WDS method to connect a WDS Access Point.



Access Point

The most basic mode of multi-function is Access Point. In this mode, the AP will act as a central hub for different wireless LAN clients. Some hotspot APs require 802.1x authenticator function to authenticate a user before providing Internet service.



Client Router

In this mode, the AP will behave as client. In addition, router function is added between the wireless WAN side and the Ethernet LAN side. Therefore, the WISP subscriber can share the WISP connection without the need of extra router.



WDS Access Point

This function extends wireless range of another wireless AP. For WDS Access Point to work, the remote wireless AP must also support WDS function and in some cases only work with the same brand. The function may support token ring and star topology with the spanning tree protocol.



WDS Bridge

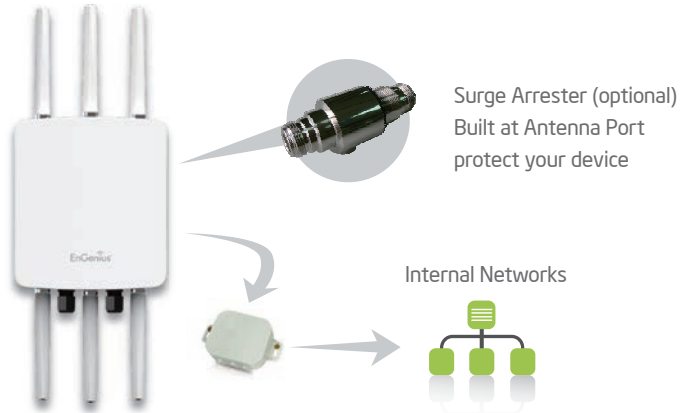
In this mode, two APs are being connected to provide a wireless bridge between two remote LANs. It is mostly used by enterprise to connect two remote office's network together. The bridge mode is connected by using the WDS (Wireless Distributed System) topology.



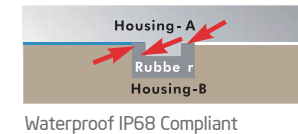
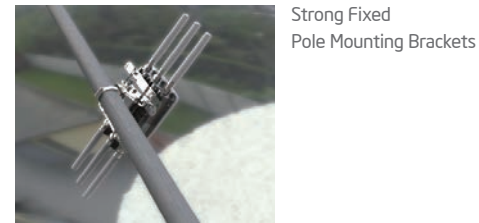
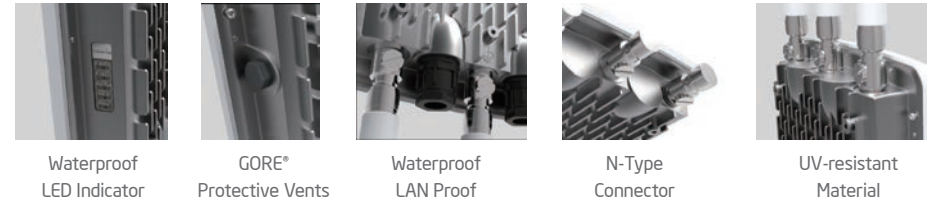
OUTDOOR DUAL CONCURRENT 11AC AP

Outdoor AP Mechanical Features

Robust Design for Lightning Protection



Professional Mechanical Design



ENH1750EXT COMING SOON

Wireless N450+AC1300 Outdoor Dual Concurrent AP



Specifications

- 450Mbps (2.4GHz) + 1300Mbps (5GHz)
- Antenna (WLAN_11ac/n) 3x Detachable Antenna (N-Type) (WLAN_11b/g/n) 3x Detachable Antenna (N-Type)
- 2x Gigabit LAN Port
- PoE 48V 802.3at/af compliant
- IP68 Waterproof design
- MSSID, WMM, Full Encryption Supported
- Specific WISP Modes: AP/Mesh/WDS

Features

- Dual-Band Concurrent with 802.11ac compliant provides the state-of-the-art wireless speed for simultaneous HD video streaming, large file sharing
- Gigabit data transfer rate with high sensitivity and large bandwidth capability secure true-enterprise grade throughput
- Extremely adaptable and expandable Wireless Mesh Network designed for scaled deployment
- Rugged design delivers superior reliability under harsh outdoor environment
- EZ Controller (Network Management Software) supported
- Feature-rich function catered for versatile applications and high capacity settings
- Best-in-class premium base station & backhaul solution



OUTDOOR DUAL CONCURRENT 11N AP

ENH900EXT COMING SOON

Wireless-N 450Mbps+450Mbps Outdoor Dual Concurrent AP



a b g n **450+450** **Gigabit** **802.3 at/af** **EZ** **IP68** **VLAN** **MSSID**
Mbps CONTROLLER

Specifications

- 450Mbps (2.4GHz) + 450Mbps (5GHz)
- Antenna/Type :
(WLAN_11a/n) 3x Detachable Antenna/N-Type
(WLAN_11b/g/n) 3x Detachable Antenna/N-Type
- 2x Gigabit LAN Port
- PoE 48V 802.3at/af compliant
- IP68 Waterproof design
- MSSID, WMM, Full Encryption Supported
- Specific WISP Modes: AP/Mesh/WDS

Features

- Dual Band Concurrent configuration traffic to fulfill demanding application usage
- Gigabit data transfer rate with high sensitivity and large bandwidth capability secure true-enterprise grade throughput
- Extremely adptable and expandable Wireless Mesh Network designed for scaled deployment
- Advanced rugged design delivers superior reliability under harsh outdoor environment
- EZ Controller (Network Management Software) supported
- Feature-rich function catered to versatile applications
- Premium Base Station & Backhaul Solution

ENH700EXT

Wireless-N 300Mbps+300Mbps Outdoor Dual Concurrent AP



a b g n **300+300** **Gigabit** **802.3 at** **EZ** **IP68** **VLAN** **MSSID**
Mbps CONTROLLER

Specifications

- 300Mbps (2.4GHz) + 300Mbps (5GHz)
- Antenna/Type :
(WLAN_11a/n) 2x Detachable Antenna (N-Type)
(WLAN_11b/g/n) 2x Detachable Antenna (N-Type)
- 1x Gigabit LAN Port
- PoE 48V 802.3at compliant
- IP68 Waterproof design
- MSSID, WMM, Full Encryption Supported
- Specific WISP Modes: AP/CB/WDS

Features

- Dual-Radio Concurrent configuration cleverly bypass the traffic to fulfill demanding application usage
- Gigabit data transfer rate w/high sensitivity and large bandwidth capability secures true-enterprise grade throughput
- Rugged design delivers superior reliability under harsh outdoor environment
- EZ Controller (Network Management Software) supported
- Feature-rich function catered to versatile applications
- Premium Base Station & Backhaul solution

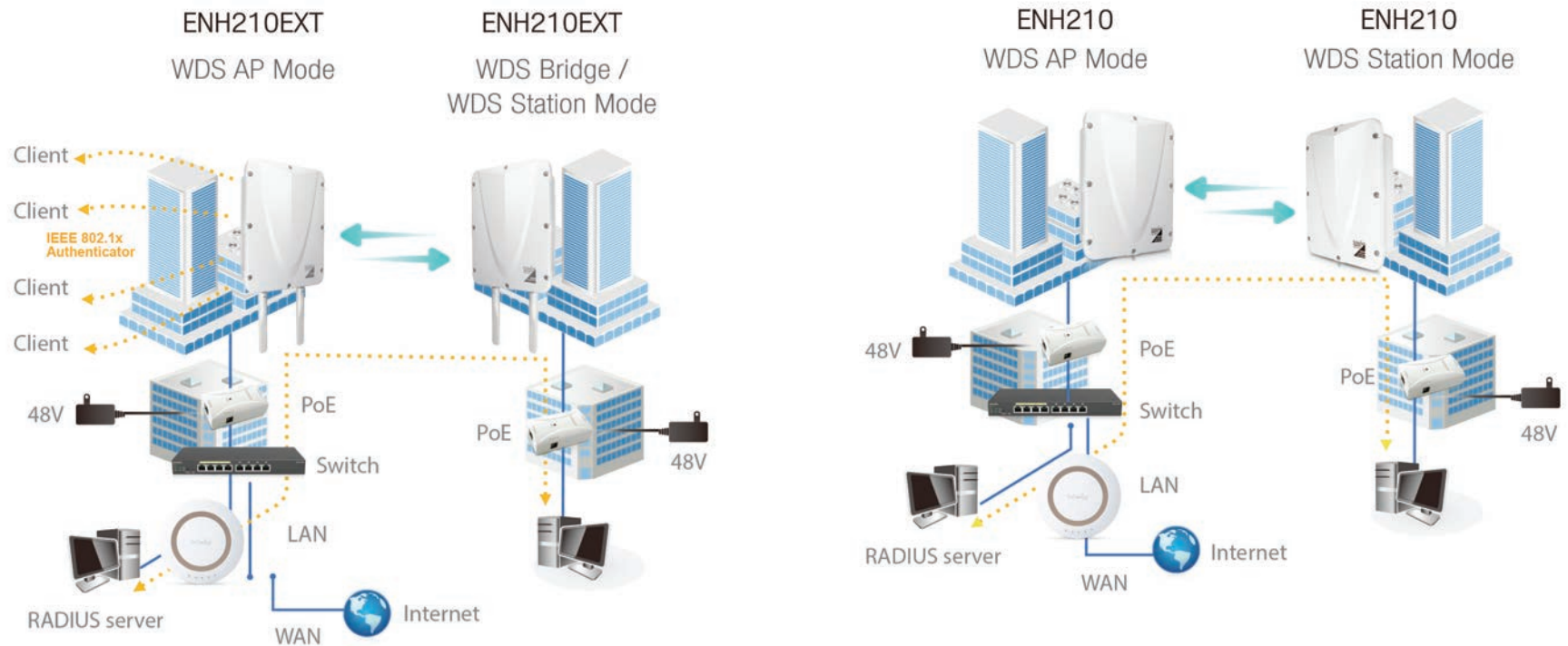


OUTDOOR AP & CPE

802.1x Application

EnGenius Outdoor APs can be configured in multi-operation modes (AP/CB/CR/WDS).

The network management software, EZ Controller, enhances the efficiency for administrator to manage and monitor APs from one central location with an easy-to-navigate user interface.

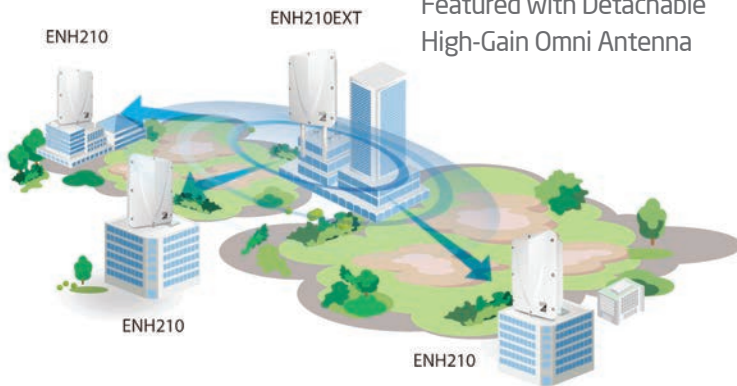


Multiple Operation Scenario

EnGenius outdoor APs provide optimal connectivity and great network coverage with high output power and high sensitivity antenna designs.

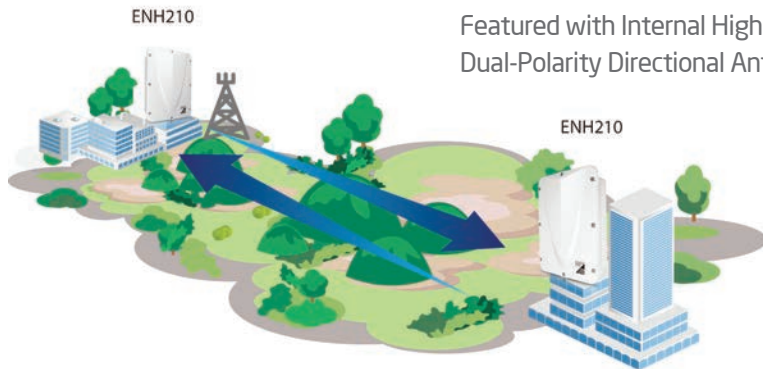
Point-to-Multipoint

Featured with Detachable High-Gain Omni Antenna



Point-to-Point

Featured with Internal High-Gain, Dual-Polarity Directional Antennas



ENH210

Wireless-N 300Mbps 2.4GHz Premium Outdoor CB/AP



Specifications

- 300Mbps (2.4GHz)
- 1x Internal 14dBi 2.4GHz Panel Antenna (Dual Polarization)
- 2x Gigabit LAN Ports
- PoE 48V 802.3af/at compliant; Reset button on PoE Injector
- IP67 Waterproof design
- MSSID, 802.1x/WEP/WPA/WPA2, WMM, RSSI Indicator Supported
- Specific WISP Modes: AP/CB/CR/WDS

Features

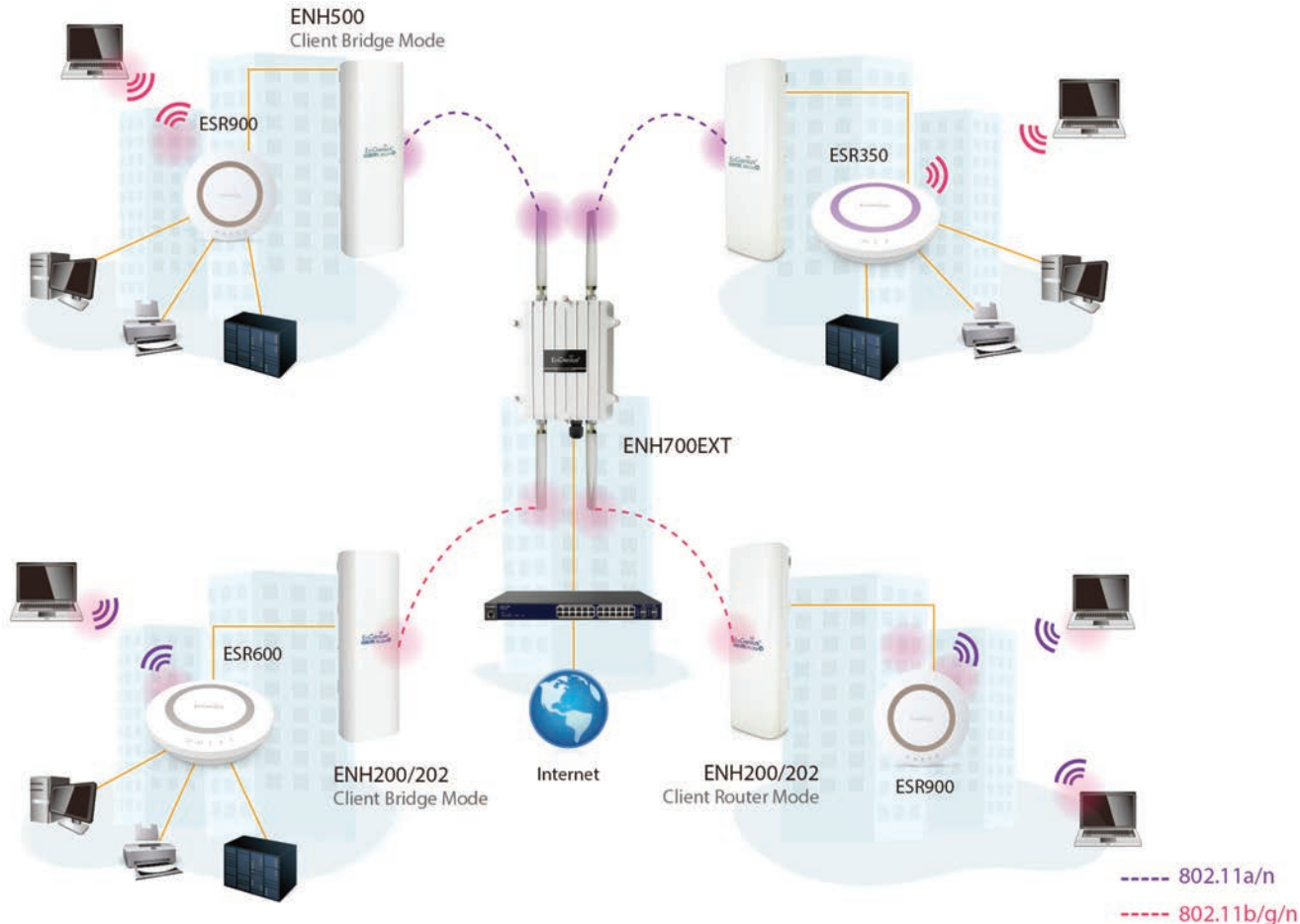
- Super channel supported
- Delivers reliable performance in challenging outdoor environment
- EZ Controller (Network Management Software) supported
- Multi-function installed to meet flexible usage pattern
- LAN port featured with surge protection



OUTDOOR CPE

Application Overview

EnGenius ENH Outdoor CPE series is optimized for understandable complexity to bring enhanced security and better effectiveness for business operation. It's simple than ever to build a shared network interface with affordable investment and the best-in-class performance.





ENH202



ENH500

ENH500

Wireless-N 300Mbps 5GHz Outdoor CB/AP

a n **300** Mbps **PoE** **EZ** CONTROLLER **13** dBi

Specifications

- 300Mbps (5GHz)
- 1x Internal 13dBi 5GHz Panel Antenna (Dual Polarization)
- 2x 10/100 LAN Ports
- PoE 24V Proprietary; Reset button on PoE Injector
- IP65 Waterproof design
- MSSSID, 802.1x/WEP/WPA/WPA2, WMM, RSSI Indicator Supported
- Operation modes : AP/CB/CR/WDS

Features

- Delivers high reliability under harsh outdoor environment
- EZ Controller (Network Management Software) supported
- Allows multi-function application usage
- Ideal for surveillance and multimedia applications

ENH202

Wireless-N 300Mbps 2.4GHz Outdoor CB/AP

b g n **300** Mbps **PoE** **EZ** CONTROLLER **10** dBi

Specifications

- 300Mbps (2.4GHz)
- 1x Internal 10dBi 2.4GHz Panel Antenna (Dual Polarization)
- 2x 10/100 LAN Ports
- PoE 24V Proprietary; Reset button on PoE Injector
- IP65 Waterproof design
- MSSSID, 802.1x/WEP/WPA/WPA2, WMM, RSSI Indicator Supported
- Operation modes : AP/CB/CR/WDS

Features

- Delivers high reliability under harsh outdoor environment
- EZ Controller (Network Management Software) supported
- Allows multi-function application usage



OUTDOOR DUAL CONCURRENT 11AC AP/CPE

ENS1750EXT **COMING SOON**

Wireless N450+AC1300 Outdoor Dual Concurrent AP/CPE

ac a b g n

450+1300 **Gigabit** **802.3 at** **EZ** **IP 65** **VLAN** **MSSID**
Mbps CONTROLLER

Specifications

- 450Mbps (2.4GHz) + 1300Mbps (5GHz)
- Antenna
(WLAN_11ac/n) 3x Detachable Antenna (SMA-Type)
(WLAN_11b/g/n) 3x Detachable Antenna (SMA-Type)
- 1x Gigabit LAN Port
- PoE 48V 802.3at compliant
- IP65 Waterproof design
- MSSID, WMM, Full Encryption Supported
- Specific WISP Modes: AP/CB/WDS

Features

- Dual-Band Concurrent with 802.11ac compliant provides the state-of-the-art wireless speed for simultaneous HD video streaming, large file sharing
- Gigabit data transfer rate with high sensitivity and large bandwidth capability secure true-enterprise grade throughput
- Delivers high reliability under harsh outdoor environment
- EZ Controller (Network Management Software) supported
- Feature-rich function catered for versatile applications and high capacity settings
- Best-in-class premium base station & backhaul solution

ENS900EXT

COMING SOON

Wireless N450+N450 Outdoor Dual Concurrent AP/CPE

a b g n **450 + 450** Mbps **Gigabit** **802.3** at **EZ** **IP 65** **VLAN** **MSSID**
CONTROLLER

Specifications

- 450Mbps (2.4GHz) + 450Mbps (5GHz)
- Antenna
(WLAN_11a/n) 3x Detachable Antenna (SMA-Type)
(WLAN_11b/g/n) 3x Detachable Antenna (SMA-Type)
- 1x Gigabit LAN Port
- PoE 48V 802.3at compliant
- IP65 Waterproof design
- MSSID, WMM, Full Encryption Supported
- Specific WISP Modes: AP/CB/WDS

Features

- Dual-Band Concurrent with 802.11n compliant provides the state-of-the-art wireless speed for simultaneous HD video streaming, large file sharing
- Gigabit data transfer rate with high sensitivity and large bandwidth capability secure true-enterprise grade throughput
- Delivers high reliability under harsh outdoor environment
- EZ Controller (Network Management Software) supported
- Feature-rich function catered for versatile applications and high capacity settings
- Best-in-class premium base station & backhaul solution

ENS600EXT

COMING SOON

Wireless N300+N300 Outdoor Dual Concurrent AP/CPE

a b g n **300 + 300** Mbps **Gigabit** **802.3** at **EZ** **IP 65** **VLAN** **MSSID**
CONTROLLER

Specifications

- 300Mbps (2.4GHz) + 300Mbps (5GHz)
- Antenna
(WLAN_11a/n) 2x Detachable Antenna (SMA-Type)
(WLAN_11b/g/n) 2x Detachable Antenna (SMA-Type)
- 1x Gigabit LAN Port
- PoE 48V 802.3at compliant
- IP65 Waterproof design
- MSSID, WMM, Full Encryption Supported
- Specific WISP Modes: AP/CB/WDS

Features

- Dual-Band Concurrent with 802.11n compliant provides the state-of-the-art wireless speed for simultaneous HD video streaming, large file sharing
- Gigabit data transfer rate with high sensitivity and large bandwidth capability secure true-enterprise grade throughput
- Delivers high reliability under harsh outdoor environment
- EZ Controller (Network Management Software) supported
- Feature-rich function catered for versatile applications and high capacity settings
- Best-in-class premium base station & backhaul solution



ENS202EXT

2.4GHz, Long Range Wireless N300 Outdoor AP/CB



Specifications

- 300Mbps (2.4GHz)
- 2x Detachable 5dBi 2.4GHz Omni Antenna (SMA)
- 2x 10/100 LAN Ports
- PoE 24V Proprietary; PoE Injector
- IP65 Waterproof design
- WEP, WMM, RSSI Indicator, CLI/Super Mode/Log-in X Supported
- Operation Modes : AP/CB/CR/WDS

Features

- Omni antenna featured with high transmit power to serve speed connectivity over range
- Delivers high reliability under harsh outdoor environment
- Supports up to 4 SSIDs, SSID+VLAN featured provides more secured and agile Internet access management
- EZ Controller (Network Management Software) supported
- Allows flexible deployment with multiple operation modes



ENS500EXT

5GHz, Long Range Wireless N300 Outdoor AP/CB



Specifications

- 300Mbps (2.4GHz)
- 2x Detachable 5dBi 5GHz Omni Antenna (SMA)
- 2x 10/100 LAN Ports
- PoE 24V Proprietary
- IP65 Waterproof design
- MSSID, 802.1x/WEP/WPA/WPA2, WMM, RSSI Indicator supported, CLI/Super Mode
- Operation modes : AP/CB/CR/WDS

Features

- Omni antenna featured with high transmit power to serve speed connectivity over range
- Delivers high reliability under harsh outdoor environment
- Supports up to 4 SSIDs; each SSID can be tagged to a specified network VLAN for different user access upon established access rights provides more secured and agile Internet access management
- EZ Controller (Network Management Software) supported
- Allows flexible deployment with multiple operation modes

ENS500

5GHz, Long Range Wireless N300 Outdoor AP/CB

a n

300 Mbps PoE EZ COMP. ROLLER R 10 dBi

Specifications

- 300Mbps (5GHz)
- 1x Internal 10dBi 5GHz Panel Antenna (Dual Polarization)
- 2x 10/100 LAN Ports
- PoE 24V Proprietary
- IP65 Waterproof design
- MSSID, 802.1x/WEP/WPA/WPA2, WMM, RSSI Indicator Supported
- Operation modes : AP/CB/CR/WDS

Features

- High gain antenna featured with high transmit power to serve speed connectivity over range
- Delivers high reliability under harsh outdoor environment
- Supports up to 4 SSIDs; each SSID can be tagged to a specified network VLAN for different user access upon established access rights provides more secured and agile Internet access management
- EZ Controller (Network Management Software) supported
- Allows flexible deployment with multiple operation modes

ENS202

2.4GHz, Long Range Wireless N300 Outdoor AP/CB

b g n

300 Mbps PoE EZ COMP. ROLLER R 8 dBi

Specifications

- 300Mbps (2.4GHz)
- 1x Internal 8dBi 2.4GHz Directional Antenna (Dual Polarization)
- 2x 10/100 LAN Ports
- PoE 24V Proprietary; PoE Injector
- IP65 Waterproof design
- WEP, WMM, RSSI Indicator, CLI/Super Mode
- Operation modes : AP/CB/CR/WDS

Features

- High gain antenna featured with high transmit power to serve speed connectivity over range
- Delivers high reliability under harsh outdoor environment
- Supports up to 4 SSIDs; each SSID can be tagged to a specified network VLAN for different user access upon established access rights provides more secured and agile Internet access management
- EZ Controller (Network Management Software) supported
- Allows flexible deployment with multiple operation modes



ACCESSORIES

PoE Injector

10/100



EPE-4818

48V/0.375A
Deliver power over Ethernet cable

Gigabit



EPE-4818G

48V/0.375A
Deliver power over Ethernet cable

10/100



EPE-1212

24V/1A
Deliver power over Ethernet cable

10/100



EPE-5818af

Compliant with
802.3af PoE Solution

Gigabit



EPE-5818Gaf

Compliant with
802.3af PoE Solution

PoE Injector

Gigabit



EPD-4824 **COMING SOON**

Convert 802.3af/at to 24V output

Surge Arrestor

10/100



ESA-7500

Superior surge and lightning protection

Gigabit

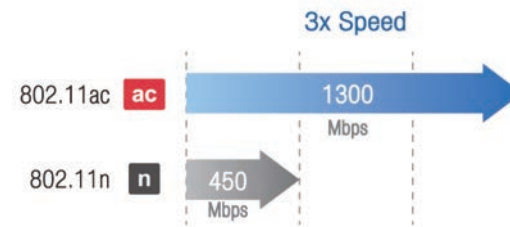
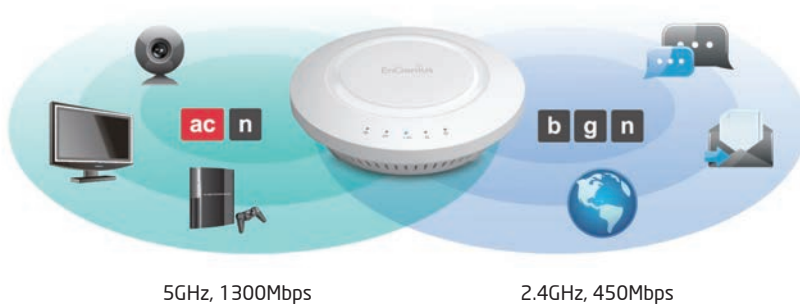


ESA-7500G

Superior surge and lightning protection

AC SOLUTION

IEEE802.11ac is an evolutionary improvement to the antecedent 802.11n in delivering higher levels of performance with Gigabit equivalent transmission speeds. This technology can be used to create solutions for bandwidth-thirsty applications and BYOD-intensive deployments. Be ready to take advantage of the state-of-the-art.



EAP1750H COMING SOON

Wireless N450+AC1300 Ceiling Mount Dual Concurrent AP

ac a b g n

450+1300 Mbps Gigabit 802.3 at EZ CONTROLLER VLAN MSSID

Specifications

- 450Mbps (2.4GHz) + 1300Mbps (5GHz)
- Dual Band 5dBi Internal Omni Antenna
- 1x Gigabit LAN Port
- PoE 802.3at compliant (DC 12V/2A supported)
- MSSID, WMM, Full Encryption Supported
- Operation Modes : AP/WDS

Features

- Wireless-AC Dual-Band Concurrent provides the state-of-the-art wireless speed for simultaneous HD Video streaming, large file sharing
- Dual Band concurrent provides double throughput with brilliant application detection to shape the traffic capabilities
- Supports up to 16 SSIDs (8 per radio), MSSID+VLAN Tagging provides enhanced security and flexibility for network management
- Enhanced ceiling mount design to be unobtrusively deployed in ceiling and provides uninterrupted client access
- Compliant with 802.3at PoE enables easy installation in crawl spaces

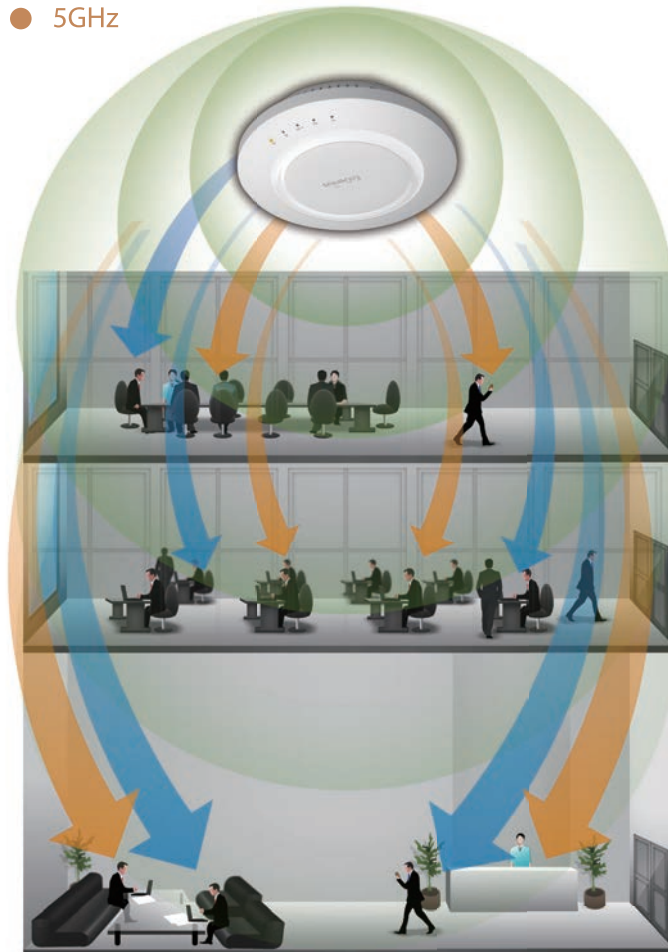


DUAL BAND CONCURRENT INDOOR AP/CB

EnGenius offers a number of Indoor Access Point and Client Bridge ideal for deployment in small to medium size offices, hotels and resorts, schools and universities, hospitals and health centers or even for homeowners who wish to expand their home network throughout a large house.



- 2.4GHz
- 5GHz



EAP900H COMING SOON a b g n

Wireless-N 450Mbps+450Mbps Ceiling Mount Dual Concurrent AP

450+450 Gigabit 802.3 at EZ VLAN MSSID
Mbps CONTROLLER

Specifications

- 450Mbps (2.4GHz) + 450Mbps (5GHz)
- Dual Band 5dBi Internal Omni Antenna
- 1x Gigabit LAN Port
- PoE 802.3at compliant (DC 12V/2A supported)
- MSSID, WMM, Full Encryption Supported
- Operation Modes : AP/WDS

Features

- Dual Band concurrent provides double throughput with smart fast roaming featured to shape the traffic capabilities
- Supports up to 16 SSIDs (8 per radio), MSSID+VLAN Tagging provides more secured and agile internet access management
- Enhanced ceiling mount design to be unobtrusive deployed in ceiling and provides uninterrupted client access
- Compliant with 802.3at PoE enables easy installation in crawl spaces

Ideal Solution for BYOD Trends

Band Steering

Moves 5GHz-compatible client devices to the 5GHz band to ease traffic congestion on the 2.4GHz for pure 2.4GHz clients.

Traffic Shaping

Traffic Shaping by setting the percentage of data in each SSID allows admin to manage and control the traffic efficiency easily.

RADIUS Accounting

Assists operators to offload 3G to the Wi-Fi seamlessly; ensures the data transmission between the mobile devices and RADISU server with Full Encryption mechanism.

Simplified AP monitoring and Management

SNMP-based Wireless Access Point monitoring and management software - EZ Controller™ (available as a free download) supports admin to configure, control and monitor all devices from one central location.

EAP600

a b g n

Wireless-N 300Mbps+300Mbps Multi-Function Dual Concurrent AP/CB

300+300 Mbps Gigabit 802.3 at/af EZ CONTROLLER VLAN MSSID



reddot design award
winner 2012



TAIWAN EXCELLENCE
SILVER AWARD 2013



Specifications

- 300Mbps (2.4GHz) + 300Mbps (5GHz)
- Dual Band 5dBi Internal Omni Antenna
- 1x Gigabit LAN Port
- PoE 802.3at/af compliant (DC 12V/2A supported)
- MSSID, WMM, Full Encryption Supported
- Operation Modes : AP/WDS/Repeater

Features

- Dual Band Concurrent provides double throughput with smart fast roaming featured shape the traffic capabilities
- Supports up to 16 SSIDs (8 per radio), MSSID+VLAN Tagging provides more secured and agile internet access management
- Award-winning low-profile ceiling mount design to be unobtrusive deployed in ceiling and provides uninterrupted client access
- Compliant with 802.3at/af PoE enables easy installation in crawl spaces

Dual-Band Concurrent Design

Ceiling Mount or Desktop Application

Adopts the sleek look to be unobtrusively blend into the indoor environment with functionality.

Dual Band Concurrent, Enhanced Powered

Double your user capacity and connect more devices, ideal for large file transfers and HD video streaming at high speed over range.

ECB1750

COMING SOON

ac a b g n

Wireless N450+AC1300 Multi-Function Dual Concurrent AP/CB

450+1300 Mbps Gigabit 802.3 at EZ CONTROLLER VLAN MSSID



Specifications

- 450Mbps (2.4GHz) + 1300Mbps (5GHz)
- 6x 5dBi Detachable SMA Antennas
- 1x Shared Gigabit LAN/WAN Port
- PoE 802.3at compliant (DC 12V/2A supported)
- Tx Power Controller, MSSID, SNMP, Private MIB, VPN Passthrough Supported
- Fast Roaming/Band Steering Supported
- 5 Operation modes : AP/CB/WDS AP/WDS CB/WDS Station

Features

- Wireless-AC Dual-Band Concurrent provides the state-of-the-art wireless speed for simultaneous HD video streaming, large file sharing
- Dual-Radio Concurrent configuration optimized for multimedia applications
- Gigabit data transfer rate w/high sensitivity and large bandwidth capability secures true-enterprise grade throughput
- High transmit power provides extensive coverage and high speed rate over range
- Supports up to 16 SSIDs (8 per radio); each SSID can be tagged to a specified network VLAN for different user access upon established access rights deliver more secured and flexible network management
- EZ Controller (Network Management System) supported Compliant with 802.af PoE enables easy installation in crawl spaces



ECB600

a b g n

Wireless-N 300Mbps+300Mbps Multi-Function
Dual Concurrent AP/CB

300+300 Mbps
Gigabit
802.3 at/af
EZ CONTROLLER
VLAN
MSSID

Specifications

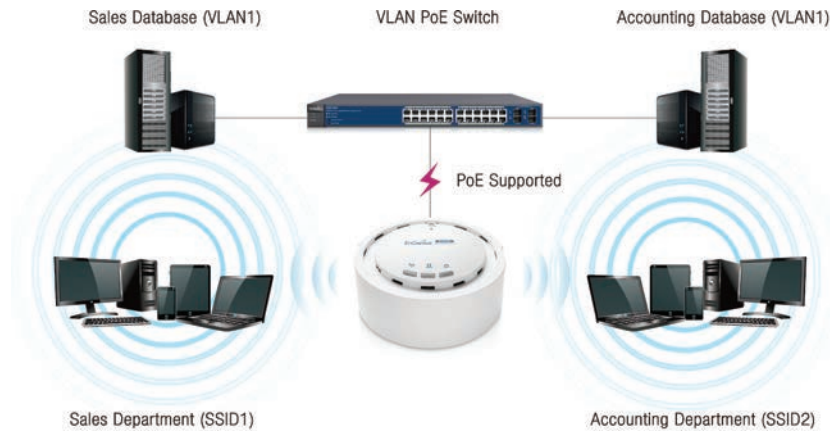
- 300Mbps (2.4GHz) + 300Mbps (5GHz)
- 4x 5dBi Detachable Omni Antennas
- 1x Shared Gigabit LAN/WAN Port
- PoE 802.3at/af compliant (DC 12V/2A supported)
- Tx Power Configuration, MSSID, SNMP, Private MIB, VPN Passthrough Supported
- 6 Operation modes : AP/CB/WDS AP/WDS CB/WDS Station/Repeater

Features

- Dual-Radio Concurrent configuration optimized for multimedia applications
- Gigabit data transfer rate with high sensitivity and large bandwidth capability secures true-enterprise grade throughput
- Supports up to 16 SSIDs (8 per radio); each SSID can be tagged to a specified network VLAN for different user access upon established access rights deliver more secured and flexible network management
- EZ Controller (Network Management System) Supported

INDOOR CEILING MOUNT AP

Application for MSSID + VLAN



EAP350

Wireless-N 300Mbps Ceiling Mount AP

b g n 300 Mbps Gigabit 802.3 af EZ VLAN MSSID



EAP300

Wireless-N 300Mbps Ceiling Mount AP

b g n 300 Mbps 802.3 af EZ CONTROLLER VLAN MSSID

Specifications

- 300Mbps (2.4GHz)
- Antenna/Type : 5dBi Internal Omni Antenna
- 1x 10/100 LAN Port
- PoE 802.3af compliant (DC 12V/1A supported)
- MSSID, WMM, Full Encryption Supported
- Operation Modes : AP/WDS/Repeater

Features

- Unobtrusive smoke detector design for mounting on ceiling within three steps
- Supports up to 4SSIDs, each SSID can be tagged to a specified network VLAN for different user access upon established access rights provides more secured and agile internet access management
- Supports SNMP v1/v2c and EZ Controller (EnGenius Network Management Software)



Specifications

- 300Mbps (2.4GHz)
- Antenna/Type : 5dBi Internal Omni Antenna
- 1x Gigabit LAN Port
- PoE 802.3af compliant (DC 12V/1A supported)
- MSSID, WMM, Full Encryption Supported
- Operation Modes : AP/WDS/Repeater

Features

- Gigabit Port is up to 10x faster data transfer than Fast Ethernet; ideal for streaming videos, VOIP, music, and multimedia applications
- Unobtrusive smoke detector design for mounting on ceiling within three steps
- MSSID+VLAN Tagging provides more secured and agile Internet access management
- Supports SNMP v1/v2c and EZ Controller (EnGenius Network Management Software)

INDOOR MULTI-FUNCTION DESKTOP CB/AP

Enhanced Security and Manageability

Security

- WPA/WPA2/WEP Encryption Supported
- 802.1x Authentication Supported
- Hidden BSSID
- L2 Isolation
- MAC Address Filtering (up to 32)
- Multi-SSID + VLAN Supported

Management

- SNMP
- Backup/Restore Setting
- Remote Firmware Upgrade
- EZ Controller
(Free Network Management Software)

High Power & Ultra Long Range Design



ECB350
Wireless-N 300Mbps
Long Range Multi-Function Gigabit AP/CB

b g n 300 Mbps Gigabit 802.3 af
EZ CONTROLLER VLAN MSSID

Specifications

- 300Mbps (2.4GHz)
- 2x 5dBi Detachable Omni Antenna
- 1x Gigabit LAN Port
- PoE 802.3af compliant (DC 12V/1A supported)
- MSSID, WMM, Full security supported
- Operation modes : AP/CB/CR/WDS AP/WDS CB/WDS Station/Router/Repeater

Features

- Gigabit data transfer rate with high sensitivity and large bandwidth capability; ideal for HD video and heavy data transfers
- High transmit power provides extensive coverage and high speed rate over range
- 8 operation modes featured for flexibly applied to different application
- MSSID + VLAN Tagging provides more secured and agile internet access management
- EZ Controller (EnGenius Network Management Software)



ECB300
Wireless-N 300Mbps
Long Range Multi-Function AP/CB

b g n 300 Mbps Fast Ethernet 802.3 af
EZ CONTROLLER VLAN MSSID

Specifications

- 300Mbps (2.4GHz)
- 2x 5dBi Detachable Omni Antenna
- 1x 10/100 LAN/WAN Port
- PoE 802.3af compliant (DC 12V/1A supported)
- MSSID, WMM, Full security supported
- Operation modes : AP/CB/WDS AP/WDS CB/Router/Repeater

Features

- 6 operation modes featured for flexibly applied to different applications
- MSSID + VLAN Tagging provides more secured and agile internet access management
- EZ Controller (EnGenius Network Management Software)

OUTDOOR AP & CPE

Comparison Chart



COMING SOON



COMING SOON



MODEL	ENH1750EXT	ENH900EXT	ENH700EXT	ENH210EXT	ENH210	ENH202	ENH500
Wi-Fi RATE	AC1300+450Mbps	450Mbps+450Mbps	300Mbps+300Mbps	300Mbps	300Mbps	300Mbps	300Mbps
STANDARD	802.1ac/a/b/g/n	802.1a/b/g/n	802.1a/b/g/n	802.1b/g/n	802.1b/g/n	802.1b/g/n	802.1a/n
HARDWARE SPECIFICATION							
ETHERNET	-						
WAN	-						
LAN	2*10/100/1000Mbps	2*10/100/1000Mbps	1*10/100/1000Mbps	2*10/100/1000Mbps	2*10/100/1000Mbps	2*10/100Mbps	2*10/100Mbps
ANTENNA	WLAN (11ac/a/n): 3* Detachable Ant (N-Type) WLAN2 (11b/g/n): 3* Detachable Ant (N-Type)	WLAN (11a/n): 3* Detachable Ant (N-Type) WLAN2 (11b/g/n): 3* Detachable Ant (N-Type)	WLAN (11a/n): 2* Detachable Ant (N-Type) WLAN2 (11b/g/n): 2* Detachable Ant (N-Type)	2* Detachable 5dBi 2.4GHz Omni-directional Antenna (N-Type)	1* Internal 14dBi 2.4GHz Panel Antenna (Dual Polarization)	1* Internal 10dBi 2.4GHz Panel Antenna (Dual Polarization)	1* Internal 13dBi 5GHz Panel Antenna (Dual Polarization)
MODE	AP/CB/WDS per radio	AP/CB/WDS per radio	AP/CB/WDS per radio	AP/CB/CR/WDS	AP/CB/CR/WDS	AP/CB/CR/WDS	AP/CB/CR/WDS
PoE SUPPORT	48V 802.3at/af	48V 802.3at/af	48V 802.3at	48V 802.3at	48V 802.3at	24V Proprietary PoE	24V Proprietary PoE
IP STANDARD	IP68	IP68	IP68	IP67	IP67	IP65	IP65
SOFTWARE SPECIFICATION							
Tx POWER CONTROLLER	●	●	●	●	●	●	●
MSSID + VLAN	●	●	●	●	●	●	●
802.1x/WEP/WPA/WPA2	●	●	●	●	●	●	●
WMM	●	●	●	●	●	●	●
RSSI INDICATOR (HW)	-	-	-	●	●	●	●
SNMP/PRIVATE MIB	●	●	●	●	●	●	●
VPN PASSTHROUGH	●	●	●	●	●	●	●
NMS	●	●	●	●	●	●	●

OUTDOOR AP & CPE

Comparison Chart












MODEL	ENS1750EXT <small>COMING SOON</small>	ENS900EXT <small>COMING SOON</small>	ENS600EXT <small>COMING SOON</small>	ENH500	ENH500EXT	ENH202	ENH202EXT
Wi-Fi RATE	AC1300+N450Mbps	450+450Mbps	300+300Mbps	300Mbps	300Mbps	300Mbps	300Mbps
STANDARD	802.1ac/a/b/g/n	802.1a/b/g/n	802.1a/b/g/n	802.1a/n	802.1a/n	802.1b/g/n	802.1b/g/n

HARDWARE SPECIFICATION							
ETHERNET	WAN	-	-	-	-	-	-
	LAN	1*10/100/1000Mbps	1*10/100/1000Mbps	1*10/100/1000Mbps	2*10/100Mbps	2*10/100Mbps	2*10/100Mbps
ANTENNA	WLAN1 (11ac/a/n): 3* Detachable Ant (SMA) WLAN2 (11b/g/n) 3* Detachable Ant (SMA)	WLAN1 (11a/n): 3* Detachable Ant (SMA) WLAN2 (11b/g/n) 3* Detachable Ant (SMA)	WLAN1 (11a/n): 2* Detachable Ant (SMA) WLAN2 (11b/g/n) 2* Detachable Ant (SMA)	1* Internal 10dBi 5GHz Panel Antenna (Dual Polarization)	2* Detachable 5dBi 2.4GHz Omni Antenna (SMA)	1* Internal 8dBi 2.4GHz Panel Antenna (Dual Polarization)	2* Detachable 5dBi 2.4GHz Omni Antenna (SMA)
MODE	AP/WDS	AP/WDS	AP/WDS	AP/CB/CR/WDS	AP/CB/CR/WDS	AP/CB/CR/WDS	AP/CB/CR/WDS
PoE SUPPORT	48V 802.3at	48V 802.3at	48V 802.3at	24V Proprietary PoE	24V Proprietary PoE	24V Proprietary PoE	24V Proprietary PoE
IP STANDARD	IP65	IP65	IP65	IP65	IP65	IP65	IP65

SOFTWARE SPECIFICATION							
Tx POWER CONTROLLER	●	●	●	●	●	●	●
MSSID + VLAN	●	●	●	●	●	●	●
802.1x/WEP/WPA/WPA2	●	●	●	●	●	●	●
WMM	●	●	●	●	●	●	●
RSSI INDICATOR (HW)	—	—	—	●	●	●	●
SNMP/PRIVATE MIB	●	●	●	●	●	●	●
VPN PASSTHROUGH	●	●	●	●	●	●	●
NMS	●	●	●	●	●	●	●

INDOOR AP & CPE

Comparison Chart

									
MODEL	EAP1750H <small>COMING SOON</small>	EAP900H <small>COMING SOON</small>	EAP600	EAP350	EAP300	ECB1750 <small>COMING SOON</small>	ECB600	ECB350	ECB300
Wi-Fi RATE	AC1300+N450Mbps	450+450Mbps	300+300Mbps	300Mbps	300Mbps	AC1300+N450Mbps	300+300Mbps	300Mbps	300Mbps
STANDARD	802.1ac/a/b/g/n	802.1a/b/g/n	802.1a/b/g/n	802.1b/g/n	802.1b/g/n	802.1ac/a/b/g/n	802.1a/b/g/n	802.1b/g/n	802.1b/g/n
ETHERNET									
WAN	-	-	-	-	-	-	-	-	-
LAN	1*10/100/1000Mbps	1*10/100/1000Mbps	1*10/100/1000Mbps	1*10/100/1000Mbps	1*10/100Mbps	1*10/100/1000Mbps	1*10/100/1000Mbps	1*10/100/1000Mbps	1*10/100Mbps
ANTENNA	Internal / 5dBi	Internal / 5dBi	Internal / 5dBi	Internal / 5dBi	Internal / 5dBi	Detachable SMA 6*5dBi	Detachable SMA 4*5dBi	Detachable SMA 2*5dBi	Detachable SMA 2*5dBi
MODE	AP/WDS per radio	AP/WDS per radio	AP/WDS per radio	AP/WDS/Repeater	AP/WDS/Repeater	AP/CB/WDS per radio	AP/CB/WDS/ Repeater	AP/CB/CR/WDS/ Router/Repeater	AP/CB/WDS/ Router/Repeater
POWER STANDARD	12V/2A switching	12V/2A switching	12V/2A switching	12V/1A switching	12V/1A switching	12V/2A switching	12V/2A switching	12V/1A switching	12V/1A switching
PoE SUPPORT	802.3at	802.3at	802.3at/af	802.3af	802.3af	802.3at	802.3at	802.3af	802.3af
Tx POWER	●	●	●	●	●	●	●	●	●
MSSID + VLAN	●	●	●	●	●	●	●	●	●
802.1x/WEP/WPA	●	●	●	●	●	●	●	●	●
WMM	●	●	●	●	●	●	●	●	●
SNMP/PRIVATE MIB	●	●	●	●	●	●	●	●	●
VPN PASSTHROUGH	●	●	●	●	●	●	●	●	●
NMS	●	●	●	●	●	●	●	●	●

PoE ETHERNET SWITCH

EnGenius Networks provides a full line of powerful, business-class Ethernet switching solutions for all your network needs.

For small to medium organizations, EnGenius Unmanaged and Smart switch solutions are easy to use and install. For larger enterprise and campus networks, EnGenius Layer-2 Managed infrastructures seamlessly connect end-users, converged services, servers and storage across highly flexible core, distribution and access layers.

EnGenius Ethernet Switches range in port count from 8 to 48-ports and up to Gigabit speeds to accommodate your network's most bandwidth-intensive applications. Robust QoS, Class of Service features, and PoE make it easy to transition your network to accommodate VoIP applications.

EnGenius Networks Ethernet switches are differentiated by their security, ease-of-use, and management features like MAC-based port security, Web-based GUI with configuration wizards, and cable diagnostics.

Affordable platforms with flexible product options make it easy to find a quality Ethernet switching solution to meet your specific requirements for IP business communications.

Layer-2 Managed Switch



Interface	10/100/1000Mbps Ethernet Ports	SFP Slots	RJ45 Console Port
EGS5212FP	10	2*100/1000Mbps	1
EGS7228P	24	4*100/1000Mbps	1
EGS7228FP	24	4*100/1000Mbps	1
EGS7252FP	48	4*100/1000Mbps	1

Smart Managed Switch



Interface	10/100/1000Mbps Ethernet Ports	SFP Slots
EGS2108P	8	-
EGS2110P	8	2*1000Mbps
EGS5110P	8	2*1000Mbps



EGS7252FP

48-Port Gigabit PoE+ L2 Managed Switch with 4 Dual-Speed SFP

Gigabit	Layer 2	Dual Speed SFP	802.3 at/af	740W PoE Budget	PoE Management	LACP
IGMP	STP/RSTP/MSTP	802.1x	QoS	VLAN	ACL	CLI
						SNMP

Specifications

- Switching Capacity: 104Gbps
- Forwarding Mode: Store and Forward
- SDRAM: 256MB
- Flash Memory: 32MB
- PoE standard: IEEE 802.3at/af
- PoE Capable Ports: Port 1~48, output up to 30W
- Power budget: 740 Watts
- Housing: Metal, 19inch 1U, rack mountable

Features

- IEEE802.3af/at-compliant Power over Ethernet on all Gigabit ports, powerful and flexible enough for deploying power-hungry PoE devices like IP Speed Domes, 11ac Wireless Access Points and Video Phones
- Dedicated SFP slots provides fiber uplink without sacrificing any Gigabit ports
- PoE Management for managing PD power assignments and priority
- Complete line up of Layer 2 features including IGMP and MLD Snooping, Port Mirroring, Spanning Tree, and Link Layer Discovery Protocol (LLDP)
- Comprehensive QoS and VLAN features for optimizing traffic flow of priority based applications such as IP Surveillance or voice/video transitions
- Advanced security features including 802.1x Authentication and Access Control List (ACL) for building a secured and reliable network
- Voice VLAN for fast and easy deployment of VoIP
- Dual firmware images to improve network reliability and uptime
- IPv6 support ensuring a smooth migration to IPv6-based network in the future



EGS7228FP

24-Port Gigabit PoE+ L2 Managed Switch with 4 Dual-Speed SFP

Gigabit	Layer 2	Dual Speed SFP	802.3 at/af	370W PoE Budget	PoE Management	LACP
IGMP	STP/RSTP/MSTP	802.1x	QoS	VLAN	ACL	CLI
						SNMP

Specifications

- Switching Capacity: 56Gbps
- Forwarding Mode: Store and Forward
- SDRAM: 256MB
- Flash Memory: 32MB
- PoE standard: IEEE 802.3at/af
- PoE Capable Ports: Port 1~24, output up to 30W
- Power budget: 370 Watts
- Housing: Metal, 19inch 1U, rack mountable
- Optional Redundant Power Supply

Features

- IEEE802.3af/at-compliant Power over Ethernet on all Gigabit ports, powerful and flexible enough for deploying power-hungry PoE devices like IP Speed Domes, 11ac Wireless Access Points and Video Phones
- Dedicated SFP slots provides fiber uplink without sacrificing any Gigabit ports
- PoE Management for managing PD power assignments and priority
- Complete line up of Layer 2 features including IGMP and MLD Snooping, Port Mirroring, Spanning Tree, and Link Layer Discovery Protocol (LLDP)
- Comprehensive QoS and VLAN features for optimizing traffic flow of priority based applications such as IP Surveillance or voice/video transitions
- Advanced security features including 802.1x Authentication and Access Control List (ACL) for building a secured and reliable network
- Voice VLAN for fast and easy deployment of VoIP
- Dual firmware images to improve network reliability and uptime
- IPv6 support ensuring a smooth migration to IPv6-based network in the future
- Optional External Redundant Power Supply System to raise total PoE power budget to 740W



EGS7228P

24-Port Gigabit PoE+ L2 Managed Switch with 4 Dual-Speed SFP

Gigabit	Layer 2	Dual Speed SFP	802.3 at/af	185W PoE Budget	PoE Management	LACP	
IGMP	STP/RSTP/MSTP	802.1x	QoS	VLAN	ACL	CLI	SNMP

Specifications

- Switching Capacity: 56Gbps
- Forwarding Mode: Store and Forward
- SDRAM: 256MB
- Flash Memory: 32MB
- PoE standard: IEEE 802.3at/af
- PoE Capable Ports: Port 1~24, output up to 30W
- Power budget: 185 Watts
- Housing: Metal, 19inch 1U, rack mountable

Features

- IEEE802.3af/at-compliant Power over Ethernet on all Gigabit ports, powerful and flexible enough for deploying power-hungry PoE devices like IP Speed Domes, 11ac Wireless Access Points and Video Phones
- Dedicated SFP slots provides fiber uplink without sacrificing any Gigabit ports
- PoE Management for managing PD power assignments and priority
- Complete line up of Layer 2 features including IGMP and MLD Snooping, Port Mirroring, Spanning Tree, and Link Layer Discovery Protocol (LLDP)
- Comprehensive QoS and VLAN features for optimizing traffic flow of priority based applications such as IP Surveillance or voice/video transitions
- Advanced security features including 802.1x Authentication and Access Control List (ACL) for building a secured and reliable network
- Voice VLAN for fast and easy deployment of VoIP
- Dual firmware images to improve network reliability and uptime
- IPv6 support ensuring a smooth migration to IPv6-based network in the future



EGS5212FP

8-Port Gigabit PoE+ L2 Managed Switch with 2 Gigabit Ports and 2 Dual-Speed SFP

Gigabit	Layer 2	Dual Speed SFP	802.3 at/af	130W PoE Budget	PoE Management	LACP	
IGMP	STP/RSTP/MSTP	802.1x	QoS	VLAN	ACL	CLI	SNMP

Specifications

- Switching Capacity: 24Gbps
- Forwarding Mode: Store and Forward
- SDRAM: 256MB
- Flash Memory: 32MB
- PoE standard: IEEE 802.3at/af
- PoE Capable Ports: Port 1~8, output up to 30W
- Power budget: 130 Watts
- Housing: Metal, 13inch 1U, rack mountable

Features

- IEEE802.3af/at-compliant Power over Ethernet on all Gigabit ports, powerful and flexible enough for deploying power-hungry PoE devices like IP Speed Domes, 11ac Wireless Access Points and Video Phones
- Dedicated SFP slots provides fiber uplink without sacrificing any Gigabit ports
- PoE Management for managing PD power assignments and priority
- Complete line up of Layer 2 features including IGMP and MLD Snooping, Port Mirroring, Spanning Tree, and Link Layer Discovery Protocol (LLDP)
- Comprehensive QoS and VLAN features for optimizing traffic flow of priority based applications such as IP Surveillance or voice/video transitions
- Advanced security features including 802.1x Authentication and Access Control List (ACL) for building a secured and reliable network
- Voice VLAN for fast and easy deployment of VoIP
- Dual firmware images to improve network reliability and uptime
- IPv6 support ensuring a smooth migration to IPv6-based network in the future



EGS5110P

8-Port Gigabit PoE+ Smart Switch with 2 Gigabit SFP



Specifications

- Switching Capacity: 20Gbps
- Forwarding Mode: Store and Forward
- Flash Memory: 4MB
- PoE standard: IEEE 802.3at/af
- PoE Capable Ports: Port 1~8 output up to 30W
- Power budget: 130 Watts
- Housing: Metal 13inch rack mountable

Features

- IEEE802.3af/at-compliant Power over Ethernet on all Gigabit ports, powerful and flexible enough for deploying power-hungry PoE devices like IP Speed Domes, 11ac Wireless Access Points and Video Phones
- 2 dedicated SFP slots provides fiber uplink without sacrificing any Gigabit ports.
- PoE Management for managing PD power assignments and priority
- Comprehensive QoS and VLAN features for optimizing traffic flow of priority based applications such as IP Surveillance or voice/video transitions
- IGMP Snooping to prevent unauthorized multicast transmissions
- Loopback detection and broadcast storm controls for ensuring a trouble-free network.
- Cable Diagnostics for quickly discovering the type of error on cables and determine the cable quality



EGS2110P

8-Port Gigabit PoE Smart Switch with 2 Gigabit SFP



Specifications

- Switching Capacity: 20Gbps
- Forwarding Mode: Store and Forward
- Flash Memory: 4MB
- PoE standard: IEEE 802.3af
- PoE Capable Ports: Port 1~8 output up to 15.4W
- Power budget: 61.6 Watts
- Housing: Metal

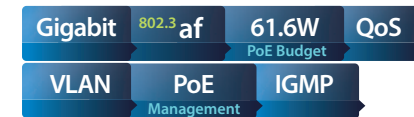
Features

- IEEE802.3af-compliant Power over Ethernet on all Gigabit ports providing flexibility and simplicity for deployment of IP Surveillance, Wireless APs and VoIP systems
- 2 dedicated SFP slots provides fiber uplink without sacrificing any Gigabit ports
- PoE Management for managing PD power assignments and priority
- Comprehensive QoS and VLAN features for optimizing traffic flow of priority based applications such as IP Surveillance or voice/video transitions
- IGMP Snooping to prevent unauthorized multicast transmissions
- Loopback detection and broadcast storm controls for ensuring a trouble-free network.
- Cable Diagnostics for quickly discovering the type of error on cables and determine the cable quality



EGS2108P

8-Port Gigabit Smart Switch with 4-Port PoE



Specifications








- Switching Capacity: 16Gbps
- Forwarding Mode: Store and Forward
- Flash Memory: 4MB
- PoE Standard: IEEE 802.3af
- PoE Capable Ports: Port 1~4 output up to 15.4W
- Power Budget: 61.6 Watts
- Housing : Metal

Features

- IEEE802.3af-compliant Power over Ethernet on 4 Gigabit ports providing flexibility and simplicity for deployment of IP Surveillance, Wireless APs and VoIP systems
- PoE Management for managing PD power assignments and priority
- Comprehensive QoS and VLAN features for optimizing traffic flow of priority based applications such as IP Surveillance or voice/video transitions
- IGMP Snooping to prevent unauthorized multicast transmissions.
- Loopback detection and broadcast storm controls for ensuring a trouble-free network
- Cable Diagnostics for quickly discovering the type of error on cables and determine the cable quality

PoE ETHERNET SWITCHES

Comparison Chart

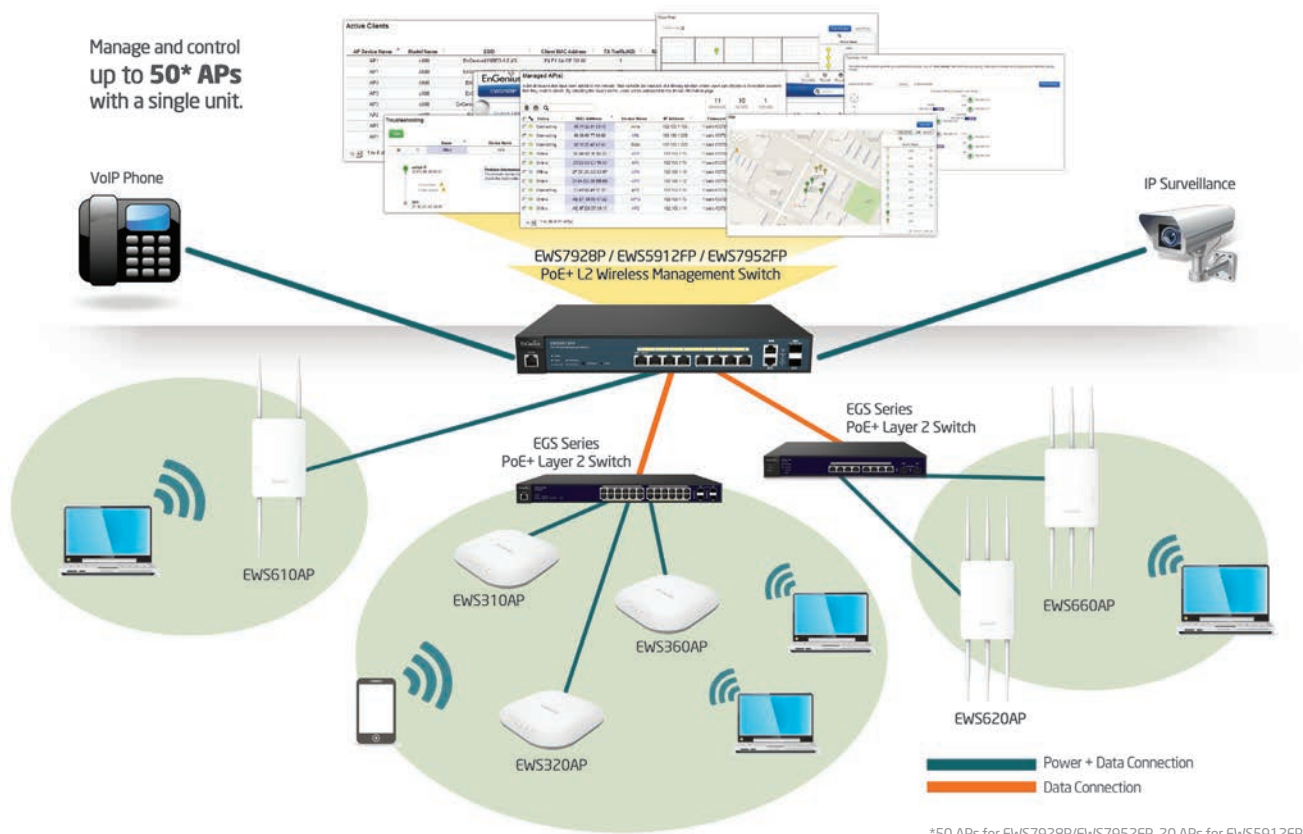
		LAYER 2 MANAGED SWITCHES				SMART MANAGED SWITCHES		
MODEL		 EGS7252FP	 EGS7228FP	 EGS7228P	 EGS5212FP	 EGS5110P	 EGS2110P	 EGS2108P
HARDWARE SPECIFICATION								
PORT FUNCTIONS	10/100/1000Mbps BASE-T PORT (RJ-45)	48	24	24	10	8	8	8
	SFP SLOTS	4 (100/1000Mbps)	4 (100/1000Mbps)	4 (100/1000Mbps)	2 (100/1000Mbps)	2 (1000Mbps)	2 (1000Mbps)	-
	RJ45 CONSOLE	1	1	1	1	-	-	-
PoE CAPABILITY	PoE STANDARD	802.3at/af	802.3at/af	802.3at/af	802.3at/af	802.3at/af	802.3af	802.3af
	PoE CAPABLE PORTS	Port1-48	Port1-24	Port1-24	Port1-8	Port1-8	Port1-8	Port1-4
	POWER BUDGET	740w	370/740w (RPS)	185w	130w	130w	61.6w	61.5w
MECHANICAL	DIMENSION WxDxH (mm)	370x410x44	370x310x44	370x260x44	330x230x44	330x230x44	240x105x27	240x105x27
SOFTWARE SPECIFICATION								
	VLAN	802.1Q SUPPORT VLAN GROUP: Max. Static VLAN #: 4094 VOICE VLAN				802.1Q SUPPORT VLAN GROUP: Max. Static VLAN #: 4094 PORT-BASED VLAN		
	QoS	Queue: 8 802.1p CoS/DSCP PRIORITY PORT-BASED CoS				Queue: 4 802.1p CoS/DSCP PRIORITY PORT-BASED CoS		
	L2 FEATURE	IGMP SNOOPING: v1, v2, v3 MLD SNOOPING 802.1D STP 802.1w RSTP 802.1s MSTP 802.3ad LINK AGGREGATION PORT TRUNKING: Support 8 ports/group; 8 groups per device BANDWIDTH CONTROL JUMBO FRAME: 9,216byte				LOOPBACK DETECTION IGMP SNOOPING: v1, v2 PORT TRUNKING: Support 8 ports/group; 8 groups per device BANDWIDTH CONTROL JUMBO FRAME: 9,216byte		
	SECURITY	RADIUS AUTHENTICATION 802.1X PORT-BASED ACCESS CONTROL/ GUEST VLAN PORT SECURITY - Max. 256 ENTRIES STORM CONTROL DoS ATTACK PREVENTION BDPU ATTACK PREVENTION L2/L3 ACCESS CONTROL LIST (ACL)				STORM CONTROL		
	MANAGEMENT	PoE MANAGEMENT 802.3az ENERGY-EFFICIENT ETHERNET IPv6 HTTPS TELNET SERVER SSH SERVER TFTP CLIENT / UPGRADE USER MANAGEMENT 802.1ab LLDP PORT MIRRORING		COMMAND LINE INTERFACE (CLI) PING TRACE ROUTE SNMP v1/v2c/v3 RMON v1 SNTP SYSLOG DUAL IMAGE CABLE DIAGNOSTIC		PoE MANAGEMENT PORT MIRRORING FIRMWARE BURN-PROOF ZERO CONFIGURATION(Bonjour) CABLE DIAGNOSTIC		

EWS WIRELESS MANAGEMENT SWITCHES

EnGenius EWS Wireless Management Switch Series takes wired/wireless network switching to a whole new level.

EnGenius EWS Wireless Management Switch Series is an affordable centralized wired/wireless management system developed specifically for entry-level small-to-medium business. This powerful device can be easily deployed and operated by non-tech experts and installed effortlessly and quickly. Any organization with limited IT engineer and budget can create a stable and secure wireless network in no time. With no additional costs or license purchasing necessary, network administrator can manage and monitor both wired and wireless nodes through a single web interface.

The EWS Wireless Management Switch Series can managed up to 50* wireless APs and provide Wireless Access Point configuration with the click of a mouse button. Besides its powerful wireless management capabilities, the EWS Wireless Management Switch Series also excels as an advanced full featured L2 PoE switch providing 802.3af/ at compliant PoE devices such as network cameras, wireless access points and VoIP phones.



*50 APs for EWS7928P/EWS7952FP, 20 APs for EWS5912FP



EWS7952FP

48-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP

Up to 50 APs	AP Auto Discovery	AP Cluster Management	Intelligent AP Diagnostic	Bulk AP Firmware Upgrade	Visual Topology View		
Comprehensive Layer 2 Switch Features	Gigabit	Dual Speed SFP	802.3 at/af	740w PoE Budget	PoE Management	Map View	Floor Plan View

Specifications

- Switching Capacity: 104Gbps
- Forwarding Mode: Store and Forward
- SDRAM: 256MB
- Flash Memory: 32MB
- PoE Standard: IEEE 802.3af/at
- PoE Capable Ports: Port 1~48, output up to 30W
- Power Budget: 740Watts
- Housing: Metal, 19inch 1U, rack mountable

Features

- Total solution for wired & wireless management via an all-in-one device
- Simplifies wireless management by providing a single point of management for an entire wireless network through a single interface
- Auto AP Discovery and Provisioning without the trouble of executing massive and complex configurations
- Visual Topology and Intelligent AP Diagnostic for monitoring and maintaining the health of the network after deployment
- Map View & Floor Plan View for simplifying multi-site management of large scale AP deployments
- Bulk AP Firmware Upgrading for applying new firmware to all supported EnGenius APs in the network, greatly simplifying the upgrade process
- IEEE802.3af/at-compliant Power over Ethernet on all Gigabit ports, powerful and flexible enough for deploying power-hungry PoE devices like IP Speed Domes, 11ac Wireless Access Points and Video Phones
- Dedicated SFP slots provides fiber uplink without sacrificing any Gigabit ports
- PoE Management for managing PD power assignments and priority
- Complete line up of Layer 2 features including IGMP and MLD Snooping, Port Mirroring, Spanning Tree, and Link Layer Discovery Protocol (LLDP)
- Comprehensive QoS and VLAN features for optimizing traffic flow of priority based applications such as IP Surveillance or voice/video transitions
- Advanced security features including 802.1x Authentication and Access Control List (ACL) for building a secured and reliable network

EWS7928P

24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP

Up to 50 APs	AP Auto Discovery	AP Cluster Management	Intelligent AP Diagnostic	Bulk AP Firmware Upgrade	Visual Topology View		
Comprehensive Layer 2 Switch Features	Gigabit	Dual Speed SFP	802.3 at/af	185w PoE Budget	PoE Management	Map View	Floor Plan View



Specifications

- Switching Capacity: 56Gbps
- Forwarding Mode: Store and Forward
- SDRAM: 256MB
- Flash Memory: 32MB
- PoE Standard: IEEE 802.3af/at
- PoE Capable Ports: Port 1~24, output up to 30W
- Power Budget: 185Watts
- Housing: Metal, 19inch 1U, rack mountable

Features

- Total solution for wired & wireless management via an all-in-one device
- Simplifies wireless management by providing a single point of management for an entire wireless network through a single interface
- Auto AP Discovery and Provisioning without the trouble of executing massive and complex configurations
- Visual Topology and Intelligent AP Diagnostic for monitoring and maintaining the health of the network after deployment
- Map View & Floor Plan View for simplifying multi-site management of large scale AP deployments
- Bulk AP Firmware Upgrading for applying new firmware to all supported EnGenius APs in the network, greatly simplifying the upgrade process
- IEEE802.3af/at-compliant Power over Ethernet on all Gigabit ports, powerful and flexible enough for deploying power-hungry PoE devices like IP Speed Domes, 11ac Wireless Access Points and Video Phones
- Dedicated SFP slots provides fiber uplink without sacrificing any Gigabit ports
- PoE Management for managing PD power assignments and priority
- Complete line up of Layer 2 features including IGMP and MLD Snooping, Port Mirroring, Spanning Tree, and Link Layer Discovery Protocol (LLDP)
- Comprehensive QoS and VLAN features for optimizing traffic flow of priority based applications such as IP Surveillance or voice/video transitions
- Advanced security features including 802.1x Authentication and Access Control List (ACL) for building a secured and reliable network



EWS5912FP

8-Port Gigabit PoE+ L2 Wireless Management Switch with 2 Dual-Speed SFP

Up to 20 APs	AP Auto Discovery	AP Cluster Management	Intelligent AP Diagnostic	Bulk AP Firmware Upgrade	Visual Topology View
Comprehensive Layer 2 Switch Features	Gigabit	Dual Speed SFP	802.3 at/af	185w PoE Budget	PoE Management
					Map View
					Floor Plan View




Specifications

- Switching Capacity: 24Gbps
- Forwarding Mode: Store and Forward
- SDRAM: 256MB
- Flash Memory: 32MB
- PoE Standard: IEEE 802.3af/at
- PoE Capable Ports: Port 1~8, output up to 30W
- Power Budget: 130Watts
- Housing: Metal, 19inch 1U, rack mountable

Features

- Total solution for wired & wireless management via an all-in-one device.
- Simplifies wireless management by providing a single point of management for an entire wireless network through a single interface
- Auto AP Discovery and Provisioning without the trouble of executing massive and complex configurations
- Visual Topology and Intelligent AP Diagnostic for monitoring and maintaining the health of the network after deployment
- Map View & Floor Plan View for simplifying multi-site management of large scale AP deployments
- Bulk AP Firmware Upgrading for applying new firmware to all supported EnGenius APs in the network, greatly simplifying the upgrade process
- IEEE802.3af/at-compliant Power over Ethernet on all Gigabit ports, powerful and flexible enough for deploying power-hungry PoE devices like IP Speed Domes, 11ac Wireless Access Points and Video Phones
- Dedicated SFP slots provides fiber uplink without sacrificing any Gigabit ports
- PoE Management for managing PD power assignments and priority
- Complete line up of Layer 2 features including IGMP and MLD Snooping, Port Mirroring, Spanning Tree, and Link Layer Discovery Protocol (LLDP)
- Comprehensive QoS and VLAN features for optimizing traffic flow of priority based applications such as IP Surveillance or voice/video transitions
- Advanced security features including 802.1x Authentication and Access Control List (ACL) for building a secured and reliable network
- 2 dedicated Gigabit uplink ports for additional connectivity without sacrificing any Gigabit PoE ports

Comparison Chart

		WIRELESS MANAGEMENT SWITCHES		
MODEL		 EWS7952FP	 EWS7928P	 EWS5912FP
HARDWARE SPECIFICATION				
PORT FUNCTIONS	10/100/1000Mbps BASE-T PORT (RJ-45)	48	24	10
	SFP SLOTS	4 (100/1000Mbps)	4 (100/1000Mbps)	2 (100/1000Mbps)
	RJ45 CONSOLE	1	1	1
PoE CAPABILITY	PoE STANDARD	802.3at/af	802.3at/af	802.3at/af
	PoE CAPABLE PORTS	Port1-48	Port1-24	Port1-8
	POWER BUDGET	740w	185w	130w
MECHANICAL	DIMENSION WxDxH (mm)	370x410x44	370x260x44	330x230x44
SOFTWARE SPECIFICATION				
WIRELESS NETWORK MANAGEMENT		Manage up to 50 APs	Manage up to 50 APs	Manage up to 20 APs
WIRELESS CONFIGURATION		AP Auto Discovery and Provisioning, AP Auto IP-Assignment, AP Cluster Management		
WIRELESS NETWORK MONITORING		Remote AP Rebooting, AP Device Name Editing, AP Radio Settings, Band Streing, Traffic Shaping, AP Client Limiting, Fast Handover, Fast Roaming, Guest Network, MESH Network (Mesh Network is supported through future firmware upgrade.), Wireless Security (WEP, WPA/WPA2 Enterprise, WPA-PSK / WPA2-PSK), VLANs for Access Point-Multiple SSID		
WIRELESS NETWORK SECURITY		AP Status Monitoring, Wireless Client Monitoring, Wireless Traffic and Usage Statistics, Visual Topology View, Floor Plan View, Map View		
MANAGEMENT		Secure Control Messaging, SSL Certificate, Access Control List		
		PoE Management, Local MAC Address Database, Remote MAC Address Database (RADIUS), Unified Configuration Import Export, Intelligent Diagnostic, Bulk Firmware Upgrade, SNMP: v1/v2c/v3, RMON v1, SNMP, SYSLOG, PING, Trace Route, Dual Images		

EWS Managed Outdoor AP



EWS660AP

Wireless N450+AC1300
EWS Managed Dual Concurrent AP

ac a b g n

450+1300Mbps Gigabit

802.3at VLAN MSSID

Specifications

- 450Mbps(2.4GHz) + 1300Mbps(5GHz)
- 2.4GHz/5GHz 5dBi External Omni Antenna
- 1x Gigabit LAN Port
- PoE 802.3at Compliant
- MSSID, WMM, Full Encryption Supported
- Operation Modes: AP/Mesh AP (Configured by EWS switch)

Features

- State-of-the-art 802.11ac (3x3) brings revolutionary connection speed on your WLAN for diversity of multimedia applications
- Advanced WLAN features to facilitate smooth roaming and effective spectrum usage
- Supports up to 16 SSIDs (8 per radio); MSSID+VLAN Tagging provides enhanced network separation and configuration flexibility for WLAN management
- Low-profile housing design blends in diversity of deployments for uninterrupted client access, ideal for client-intensive environments such as stations, hotels, shopping malls ...etc
- 802.3at-compliant Power-over-Ethernet (PoE) for second power sourcing alternative



EWS620AP

Wireless-N 450Mbps+450Mbps
EWS Managed Dual Concurrent AP

a b g n

450+450Mbps Gigabit

802.3at VLAN MSSID

Specifications

- 450Mbps(2.4GHz) + 450Mbps(5GHz)
- 2.4GHz/5GHz 5dBi External Omni Antenna
- 1x Gigabit LAN Port
- PoE 802.3at Compliant
- MSSID, WMM, Full Encryption Supported
- Operation Modes: AP/Mesh AP (Configured by EWS switch)

Features

- Cutting-edge 3 x 3 802.11n brings ultra-high connection speed on your WLAN for diversity of multimedia applications
- Advanced WLAN features to facilitate smooth roaming and effective spectrum usage
- Supports up to 16 SSIDs (8 per radio); MSSID+VLAN Tagging provides enhanced network separation and configuration flexibility for WLAN management
- Low-profile housing design blends in diversity of deployments for uninterrupted client access, ideal for client-intensive environments such as stations, hotels, shopping malls ...etc
- 802.3at-compliant Power-over-Ethernet (PoE) for second power sourcing alternative



EWS610AP **a b g n**

Wireless-N 300Mbps+300Mbps EWS Managed Dual Concurrent AP

300+300Mbps **Gigabit** **802.3at/af** **VLAN** **MSSID**

Specifications

- 300Mbps (2.4GHz) + 300Mbps (5GHz)
- 2.4GHz/5GHz 5dBi External Omni Antenna
- 1x Gigabit LAN Port
- PoE 802.3at/af Compliant
- MSSID, WMM, Full Encryption Supported
- Operation Modes:
AP/Mesh AP (configured by EWS switch)

Features

- Cutting-edge 2 x 2 802.11n brings ultra-high connection speed on your WLAN for diversity/ of multimedia applications
- Advanced WLAN features to facilitate smooth roaming and effective spectrum usage
- Supports up to 16 SSIDs (8 per radio); MSSID+VLAN Tagging provides enhanced network separation and configuration flexibility for WLAN management
- Low-profile housing design blends in diversity of deployments for uninterrupted client access, ideal for client-intensive environments such as stations, hotels, shopping malls ...etc
- 802.3at-compliant Power- over-Ethernet (PoE) for second power sourcing alternative

EWS Managed Indoor AP



EWS360AP **ac b g n**

Wireless N450+AC1300 EWS Managed Dual Concurrent AP

450+1300Mbps **Gigabit** **802.3at** **VLAN** **MSSID**

Specifications

- 450Mbps(2.4GHz) + 1300Mbps(5GHz)
- 2.4Ghz/5GHz 5dBi Internal Omni Antenna
- 1x Gigabit LAN Port
- PoE 802.3at Compliant
- MSSID, WMM, Full Encryption Supported
- Operation Modes:
AP/Mesh AP (configured by EWS switch)

Features

- State-of-the-art 802.11ac (3x3) brings revolutionary connection speed on your WLAN for diversity of multimedia applications
- Advanced WLAN features to facilitate smooth roaming and effective spectrum usage
- Supports up to 16 SSIDs (8 per radio); MSSID+VLAN Tagging provides enhanced network separation and configuration flexibility for WLAN management
- Low-profile housing design blends in diversity of deployments for uninterrupted client access, ideal for client-intensive environments such as stations, hotels, shopping malls ...etc
- 802.3at-compliant Power- over-Ethernet (PoE) for second power sourcing alternative

EWS320AP

Wireless-N 450Mbps+450Mbps
EWS Managed Dual Concurrent AP

a b g n

450+450Mbps Gigabit 802.3at VLAN MSSID

Specifications

- 450Mbps (2.4GHz) + 450Mbps (5GHz)
- 2.4GHz/5GHz 5dBi Internal Omni Antenna
- 1x Gigabit LAN Port
- PoE 802.3at Compliant
- MSSID, WMM, Full Encryption Supported
- Operation Modes:
AP/Mesh AP (configured by EWS switch)

Features

- Cutting-edge 3 x 3 802.11n brings ultra-high connection speed on your WLAN for diversity of multimedia applications
- Advanced WLAN features to facilitate smooth roaming and effective spectrum usage
- Supports up to 16 SSIDs (8 per radio); MSSID+VLAN Tagging provides enhanced network separation and configuration flexibility for WLAN management
- Low-profile housing design blends in diversity of deployments for uninterrupted client access, ideal for client-intensive environments such as stations, hotels, shopping malls ...etc
- 802.3at-compliant Power- over-Ethernet (PoE) for second power sourcing alternative



EWS310AP

Wireless-N 300Mbps+300Mbps
EWS Managed Dual Concurrent AP

a b g n

300+300Mbps Gigabit 802.3at/af VLAN MSSID

Specifications







- 300Mbps(2.4GHz) + 300Mbps(5GHz)
- 2.4GHz/5GHz 5dBi Internal Omni Antenna
- 1x Gigabit LAN Port
- PoE 802.3at/af Compliant
- MSSID, WMM, Full Encryption Supported
- Operation Modes:
AP/Mesh AP (configured by EWS switch)

Features

- Cutting-edge 2 x 2 802.11n brings ultra-high connection speed on your WLAN for diversity of multimedia applications
- Advanced WLAN features to facilitate smooth roaming and effective spectrum usage
- Supports up to 16 SSIDs (8 per radio); MSSID+VLAN Tagging provides enhanced network separation and configuration flexibility for WLAN management
- Low-profile housing design blends in diversity of deployments for uninterrupted client access, ideal for client-intensive environments such as stations, hotels, shopping malls ...etc
- 802.3at-compliant Power- over-Ethernet (PoE) for second power sourcing alternative

EWS Outdoor AP & Indoor AP

Comparison Chart

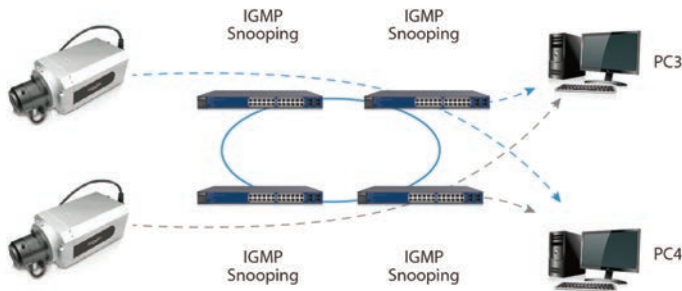
		OUTDOOR			INDOOR		
							
MODEL		EWS660AP AC1300 + N450Mbps	EWS620AP N450 + 450Mbps	EWS610AP N300 + 300Mbps	EWS360AP AC1300 + N450Mbps	EWS320AP N450 + N450Mbps	EWS310AP N300 + N300Mbps
HARDWARE SPECIFICATION							
ETHERNET	WAN	-	-	-	-	-	-
	LAN	1*10/100/1000Mbps	1*10/100/1000Mbps	1*10/100/1000Mbps	1*10/100/1000Mbps	1*10/100/1000Mbps	1*10/100/1000Mbps
ANTENNA		External / 5dBi	External / 5dBi	External / 5dBi	Internal / 5dBi	Internal / 5dBi	Internal / 5dBi
MODE		AP / Mesh AP (Configured by EWS switch)	AP / Mesh AP (Configured by EWS switch)	AP / Mesh AP (Configured by EWS switch)	AP / Mesh AP (Configured by EWS switch)	AP / Mesh AP (Configured by EWS switch)	AP / Mesh AP (Configured by EWS switch)
PoE SUPPORT		802.3at	802.3at	802.3at/af	802.3at	802.3at	802.3at/af
SOFTWARE SPECIFICATION							
Tx POWER CONTROLLER		•	•	•	•	•	•
MSSID + VLAN		•	•	•	•	•	•
802.1x/WEP/WPA/WPA2		•	•	•	•	•	•
WMM		•	•	•	•	•	•
SNMP/PRIVATE MIB		•	•	•	•	•	•
VPN PASSTHROUGH		•	•	•	•	•	•
EWS MANAGEMENT		•	•	•	•	•	•

IP SURVEILLANCE

Application

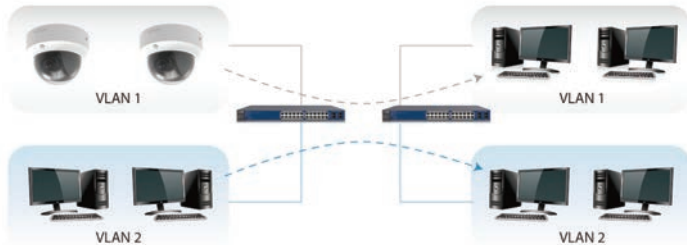
Optimized for Video Multicast

Video streams sent from one source to many users, should always be fed efficiently and to only where they're needed. EnGenius switches optimize video multicast transmission by comprehensive Layer 2 multicast management features, greatly enhancing the bandwidth utilization and video quality.



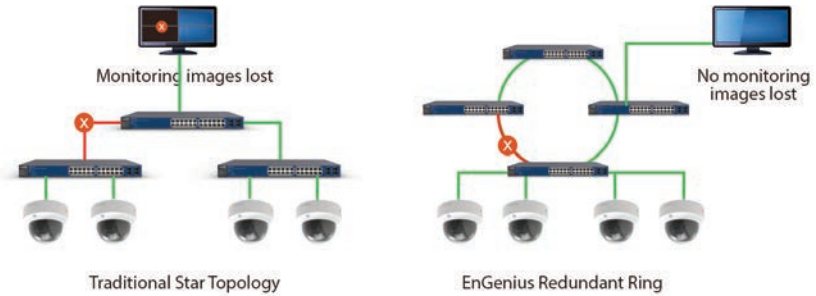
Video Traffic Isolation

EnGenius Switch series supports VLAN (Virtual Local Area Network) which virtually segments the network into specific groups. Video streams are isolated from data to deliver a clear transmission, while securing the video stream from any malicious attacks.



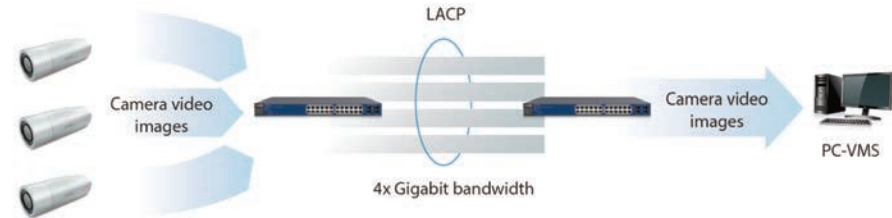
MSR, Reliable and Seamless IP Surveillance Network

In the traditional star topology with RSTP, any unexpected link failure would result in the loss of multiple video images. With EnGenius Redundant Ring, any link failure will be recovered in a short time.



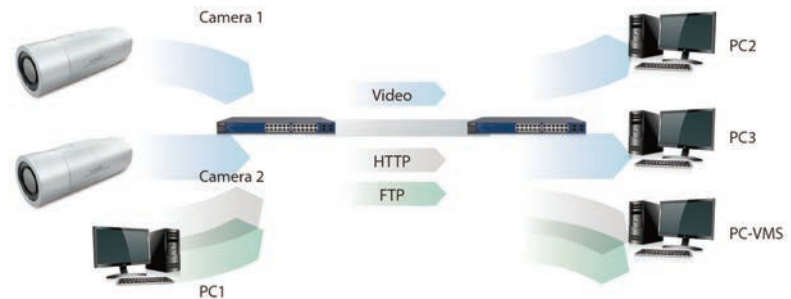
Multiple Bandwidth Aggregation

Megapixel images require greater network bandwidth. In terms of video transmission speed, EnGenius Switch series supports link aggregation technology to maximize link bandwidth. Hundreds of megapixel video streams can be transmitted via the aggregated link.



Prioritized Video Transmission

EnGenius Switch series supports QoS (Quality of Service) to prioritize packets transmitting on network. As illustrated in the diagram below, video packets from IP cameras are sent in the first priority, and then the HTTP and FTP is sent from PC. Precedence transmission ensures real-time video surveillance while preventing loss of images.



IP Bullet Camera

Tampering Alarm of Intelligent Video Analysis

Anti-tamper feature makes these camera suitable for tamper-prone locations. The tamper detection system can sense whenever the camera has been redirected, defocused, blocked or spray-painted, and respond promptly with a notification.



EDS5550

5-Megapixel Day & Night BULLET Network Camera

- 1/2.5" 5-Megapixel Sony CMOS Sensor
- Up to 2592x1944 Resolution at 10fps
- H.264 / MPEG4 / MJPEG with dual streaming
- WDR / Motion Detection / Tampering Alarm
- Built-in Micro-SD / SDHC Card Slot
- Powered by DC12V / AC 24V / PoE 802.3af
- Supports iPhone, iPad, Android APP
- Supports IE, Safari, Google Chrome, Firefox, Opera
- IP67 Waterproof and IR up to 20M
- ONVIF Compliant

EDS5200

2-Megapixel Day & Night BULLET Network Camera

- 1/2.7" 2-Megapixel CMOS sensor
- Up to 1920x1080 resolution at 30fps
- H.264/MPEG4/MJPEG with dual streaming
- WDR / Motion Detection / Tampering alarm
- Built-in IR illuminator up to 20M
- Built-in Micro-SD/SDHC card slot
- Powered by DC12V / AC24V / PoE 802.3af
- Support iPhone, iPad, Android APP
- Supports IE, Safari, Google Chrome, Firefox, Opera
- ONVIF conformant

EDS5111

1-Megapixel Day & Night Wireless Bullet Network Camera

- 1/4" 1-Megapixel CMOS Sensor
- Up to 1280 x 720 Resolution at 30fps
- IEEE802.11b/g/n 150Mbps data rate
- H.264 / MPEG4 / MJPEG with dual streaming
- Motion Detection / Tampering alarm
- Built-in Micro-SD / SDHC Card Slot
- Powered by DC12V / PoE 802.3af
- Supports iPhone, iPad, Android APP
- Supports IE, Safari, Google Chrome, Firefox, Opera
- IP66 Waterproof and IR up to 10M
- Compact Size and ONVIF Compliant

EDS5110

1-Megapixel Day & Night Bullet Network Camera

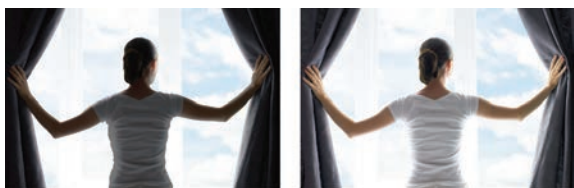
- 1/4" 1-Megapixel CMOS Sensor
- Up to 1280 x 720 Resolution at 30fps
- H.264 / MPEG4 / MJPEG with dual streaming
- Motion Detection / Tampering alarm
- Built-in Micro-SD / SDHC Card Slot
- Powered by DC12V / PoE 802.3af
- Supports iPhone, iPad, Android APP
- Supports IE, Safari, Google Chrome, Firefox, Opera
- IP66 Waterproof and IR up to 10M
- Compact Size and ONVIF Compliant



IP Box Camera

Wide Dynamic Range (WDR)

The WDR technology compensates for the unbalanced lighting, restoring detail throughout the field of view, so as to give user unparalleled visibility to identify images. The mechanical IR filter allows the camera to capture crisp color video with the lights on and detailed grayscale in low light, and even in complete darkness with its integrated infrared LEDs.



True Day & Night for 24/7 Surveillance

The EnGenius camera series deliver day & night functionality with a built-in removable Mechanical IR-cut filter. By day, the IR-cut filter screens out infrared light to reduce color distortion, and at night, the filter is removed to accept infrared light for higher lighting efficiency.



EDS3550

5-Megapixel Day & Night BOX Network Camera

- 1/2.5" 5-Megapixel sony CMOS Sensor
- Up to 2592x1944 Resolution at 10fps
- H.264 / MPEG4 / MJPEG with dual streaming
- WDR / Motion Detection / Tampering Alarm
- Built-in Micro-SD / SDHC Card Slot
- Powered by DC 12V / AC 24V / PoE 802.3af
- Supports iPhone, iPad, Android APP
- Supports IE, Safari, Google Chrome, Firefox, Opera
- ONVIF Compliant
- Package include a fixed lens, but IR CAP is optional



EDS3200

2-Megapixel Day & Night BOX Network Camera

- 1/2.7" 2-Megapixel CMOS sensor
- Up to 1920x1080 resolution at 30fps
- H.264/MPEG4/MJPEG with dual streaming
- WDR / Motion Detection / Tampering alarm
- Built-in Micro-SD/SDHC card slot
- Powered by DC 12V / AC 24V / PoE 802.3af
- Support iPhone, iPad, Android APP
- Supports IE, Safari, Google Chrome, Firefox, Opera
- ONVIF conformant
- Package include a fixed lens, but IR CAP is optional



EDS3111

1-Megapixel Day & Night Wireless BOX Network Camera

- 1/4" 1-Megapixel CMOS Sensor
- Up to 1280 x 720 Resolution at 30fps
- IEEE802.11b/g/n 150Mbps data rate
- H.264 / MPEG4 / MJPEG with dual streaming
- Motion Detection/Tampering Alarm
- Built-in Micro-SD / SDHC Card Slot
- Powered by DC 12V / PoE 802.3af
- Supports iPhone, iPad, Android APP
- Supports IE, Safari, Google Chrome, Firefox, Opera
- Package include a fixed lens, but mini IR CAP is optional
- Compact Size and ONVIF Compliant

EDS3110

1-Megapixel Day & Night BOX Network Camera

- 1/4" 1-Megapixel CMOS Sensor
- Up to 1280 x 720 Resolution at 30fps
- H.264 / MPEG4 / MJPEG with dual streaming
- Motion Detection/Tampering Alarm
- Built-in Micro-SD / SDHC Card Slot
- Powered by DC 12V / PoE 802.3af
- Supports iPhone, iPad, Android APP
- Supports IE, Safari, Google Chrome, Firefox, Opera
- Package include a fixed lens, but mini IR CAP is optional
- Compact Size and ONVIF Compliant

IP Dome Camera

New Plug-in Technology Across in Different Browser without 2nd Plug-in

EnGenius IP Camera series use the new technology allowing user only plug-in once in desktop's browser (Windows O/S platform), then available to across in different browser (such as IE, Firefox, Safari, Opera, Google Chrome...etc.) without 2nd plug-in required.

Built-in Focus Assist Button

When the camera is installed, a mobile monitor attached via the camera's BNC connector or a Notebook attached via the camera's Ethernet connector is generally used to adjust the focus. Problems may arise, however, because video that appears to be in focus on the screen of a mobile monitor or a Notebook may not be so when viewed through a web browser by users. To resolve this issue, EnGenius has designed the Focus Assist feature to ensure that focus can be adjusted easily and correctly during installation.



EDS6110

1-Megapixel Day & Night DOME Network Camera

- 1/4" 1-Megapixel CMOS Sensor
- Up to 1280 x 720 Resolution at 30fps
- H.264 / MPEG4 / MJPEG with dual streaming
- Motion Detection/Tampering Alarm
- Built-in Micro-SD / SDHC Card Slot
- Built-in IR Illuminator up to 10M
- Powered by DC12V / PoE 802.3af
- Supports iPhone, iPad, Android APP
- Supports IE, Safari, Google Chrome, Firefox, Opera
- Compact Size and ONVIF Compliant

EDS6550

5-Megapixel Day & Night DOME Network Camera

- 1/2.5" 5-Megapixel sony CMOS Sensor
- Up to 2592x1944 Resolution at 10fps
- H.264 / MPEG4 / MJPEG with dual streaming
- WDR / Motion Detection / Tampering Alarm
- Built-in IR Illuminator up to 15M
- Built-in Micro-SD / SDHC Card Slot
- Powered by DC12V / AC24V / PoE 802.3af
- Supports iPhone, iPad, Android APP
- Supports IE, Safari, Google Chrome, Firefox, Opera
- Built-in PIR for human detection and up to 5M
- ONVIF Compliant



EDS6200

2-Megapixel Day & Night DOME Network Camera

- 1/2.7" 2-Megapixel CMOS sensor
- Up to 1920x1080 resolution at 30fps
- H.264/MPEG4/MJPEG with dual streaming
- WDR / Motion Detection / Tampering alarm
- Built-in IR Illuminator up to 15M
- Built-in Micro-SD / SDHC Card Slot
- Powered by DC12V / PoE 802.3af / AV out support
- Supports iPhone, iPad, Android APP
- Supports IE, Safari, Google Chrome, Firefox, Opera
- Built-in PIR for human detection and up to 5M
- ONVIF conformant

EDS6111

1-Megapixel Day & Night Wireless DOME Network Camera

- 1/4" 1-Megapixel CMOS Sensor
- Up to 1280 x 720 Resolution at 30fps
- IEEE802.11b/g/n 150Mbps data rate
- H.264 / MPEG4 / MJPEG with dual streaming
- Motion Detection/Tampering Alarm
- Built-in Micro-SD / SDHC Card Slot
- Built-in IR Illuminator up to 10M
- Powered by DC12V / PoE 802.3af / IR up to 10M
- Supports iPhone, iPad, Android APP
- Supports IE, Safari, Google Chrome, Firefox, Opera
- Compact Size and ONVIF Compliant



ACCESSORIES

IR Illuminator



EDA3010

IR Illuminator, 30M Distance
Supports all IP Cameras

Mounting Kits



EDA2010

Pole Mounting Kits
Supports EDA20xx Models



EDA2011

Pole Mounting Kits
Supports EDS5200/
EDS5550

PoE Adapter



EPE-4818

48V/0.375A
Deliver power over
Ethernet cable



EPE-5818af

Compliant with
802.3af PoE Solution



EPE-5818Gaf

Compliant with
802.3af PoE Solution

IR Cap



EDA0010

IR Illuminator CAP, 15M Distance
Supports EDS3200/EDS3550

Lens



EDA1010

CS Mount, 5-Megapixel, 1/2.3",
4mm F1.8 Fixed LENS w/IR Corrected
Supports EDS3xxx Models



EDA1020

CS Mount, 2-Megapixel, 1/2.7",
2.8-12mm F1.4 Vari-Focal LENS,
DC-IRIS w/IR Corrected
Supports EDS3xxx Models

Enclosure



EDA2001

IP68 Rated Camera Outdoor Housing
w/Heater & Blower Aluminum
Die-casting,
Operating Temperature: -50°C ~50°C
Supports EDS3xxx Models









EDA2002

IP68 Rated Camera Outdoor Housing
w/Heater & Blower & IR Illuminator
30M Aluminum Die-casting,
Operating Temperature: -50°C ~50°C
Supports EDS3xxx Models

IP SURVEILLANCE CAMERA

Comparison Chart

	5 MEGAPIXEL			2 MEGAPIXEL		
						
MODEL	EDS6550	EDS5550	EDS3550	EDS5200	EDS3200	EDS6200
HARDWARE SPECIFICATION						
SENSOR	5Megapixel 1/2.5" CMOS	5Megapixel 1/2.5" CMOS	5Megapixel 1/2.5" CMOS	2Megapixel 1/2.7" CMOS	2Megapixel 1/2.7" CMOS	2Megapixel 1/2.7" CMOS
LENS	Vari-focal, f=3~8mm / F1.45	Vari-focal, f=3~8mm / F1.45	Fixed, f=4mm / F1.8	Vari-focal, f=2.8~8mm / F1.2	CS mount (option)	Vari-focal, f=2.8~8mm/ F1.2
DC-IRIS	●	●	●	●	●	●
DAY/NIGHT (ICR)	●	●	●	●	●	●
IR ILLUMINATION	15M	20M	option	20M	option	20M
PIR SENSOR	●	-	-	-	-	-
NETWORK	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
POWER INPUT	PoE/DC12V	PoE / DC12V / AC24V	PoE / DC12V / AC24V	PoE / DC12V / AC24V	PoE / DC12V / AC24V	PoE / DC12V
AUDIO	2-Way audio	2-Way audio	2-Way audio	2-Way audio	2-Way audio	2-Way audio
VIDEO OUT	AV-Out	BNC	BNC	BNC	BNC	AV-Out
ON-BOARD STORAGE	Micro SDHC slot	Micro SDHC slot	Micro SDHC slot	Micro SDHC slot	Micro SDHC slot	Micro SDHC slot
WATERPROOF	-	IP67	-	IP67	-	-
OPERATION TEMP	0°C ~ 50°C	-20°C ~ 50°C	0°C ~ 50°C	-20°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C
SOFTWARE SPECIFICATION						
MAX. VIDEO RESOLUTION	"2560x1920 at 10fps 1920x1080 at 30fps"	2560x1920 at 10fps 1920x1080 at 30fps	2560x1920 at 10fps 1920x1080 at 30fps	1920x1080 at 30fps	1920x1080 at 30fps	1920x1080 at 30fps
VIDEO COMPRESSION	H.264/MJPEG/MPEG-4	H.264/MJPEG/MPEG-4	H.264/MJPEG/MPEG-4	H.264/MJPEG/MPEG-4	H.264/MJPEG/MPEG-4	H.264/MJPEG/MPEG-4
MULTIPLE STREAMS	2	2	2	2	2	2
WIDE DYNAMIC RANGE (WDR)	●	●	●	●	●	●
DIGITAL NOISE REDUCTION (DNR)	2DNR	2DNR	2DNR	2DNR	2DNR	2DNR
TEMPERING ALARM	●	●	●	●	●	●
FOCUS ASSIST BUTTON	●	●	●	●	●	●

IP SURVEILLANCE CAMERA

Comparison Chart

1 MEGAPIXEL



MODEL

EDS6111

EDS6110

EDS5111

EDS5110

EDS3111

EDS3110

HARDWARE SPECIFICATION

SENSOR	1Megapixel 1/4" CMOS	1Megapixel 1/4" CMOS	1Megapixel 1/4" CMOS	1Megapixel 1/4" CMOS	1Megapixel 1/4" CMOS	1Megapixel 1/4" CMOS
LENS	Fixed, f=2.8mm / F2.0	Fixed, f=2.8mm / F2.0	Fixed, f=4mm / F1.5	Fixed, f=4mm / F1.5	Fixed, f=4mm / F1.8	Fixed, f=4mm / F1.8
DC-IRIS	-	-	-	-	-	-
DAY/NIGHT (ICR)	●	●	●	●	●	●
IR ILLUMINATION	10M	10M	10M	10M	Option (15M)	Option(15M)
PIR SENSOR	-	-	-	-	-	-
NETWORK	10/100Mbps 802.11b/g/n	10/100Mbps	10/100Mbps802.11b/g/n	10/100Mbps	10/100Mbps 802.11b/g/n	10/100Mbps
POWER INPUT	PoE / DC12V	PoE / DC12V	PoE / DC12V	PoE / DC12V	PoE / DC12V	PoE / DC12V
AUDIO	1-Way audio	1-Way audio	-	-	2-Way audio	2-Way audio
VIDEO OUT	-	-	-	-	-	-
ON-BOARD STORAGE	Micro SDHC slot	Micro SDHC slot	Micro SDHC slot	Micro SDHC slot	Micro SDHC slot	Micro SDHC slot
WATERPROOF	-	-	IP66	IP66	-	-
OPERATION TEMP	0°C ~ 45°C	0°C ~ 45°C	-20°C ~ 50°C	-20°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C

SOFTWARE SPECIFICATION

MAX. VIDEO RESOLUTION	1280x720 at 30fps	1280x720 at 30fps	1280x720 at 30fps	1280x720 at 30fps	1280x720 at 30fps	1280x720 at 30fps
VIDEO COMPRESSION	H.264/MJPEG/MPEG-4	H.264/MJPEG/MPEG-4	H.264/MJPEG/MPEG-4	H.264/MJPEG/MPEG-4	H.264/MJPEG/MPEG-4	H.264/MJPEG/MPEG-4
MULTIPLE STREAMS	2	2	2	2	2	2
WIDE DYNAMIC RANGE (WDR)	-	-	-	-	-	-
DIGITAL NOISE REDUCTION (DNR)	-	-	-	-	-	-
TEMPERING ALARM	●	●	●	●	●	●
FOCUS ASSIST BUTTON	-	-	-	-	-	-



LIGHT BUSINESS / HOME NETWORK SOLUTIONS

EnGenius Cloud

Broadband Router

Media Bridge/Repeater

Home Switch

USB Dongle

Stream next-gen digital home entertainment with EnGenius.

EnGenius is committed to fulfill diversified whole home multimedia connectivity demands with best-in-class performance. Entire product line is optimized with simpler interface for novice users and comprehensive feature-rich capability is equipped for advanced users to enjoy the latest technologies. Also, the remote office is now expected with more agility for light business users.



Freedom to *Move* and *Access*



IT'S FREE

- No Subscription Fee
- No Maintenance Cost
- No Additional Cost



PRIVACY & SECURITY

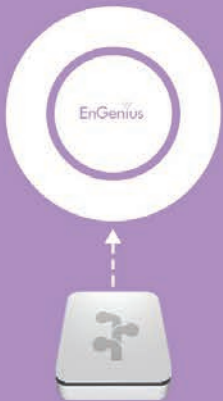
Physical storage is at your own possession, will you trust someone with your valuable information?
 Since the storage is at your home, it prevents loss & theft of valuable information.



MOBILITY

You could upload and download from your own storage anywhere anytime, as long as there is Internet access.

Step 1



Connect.

Step 2

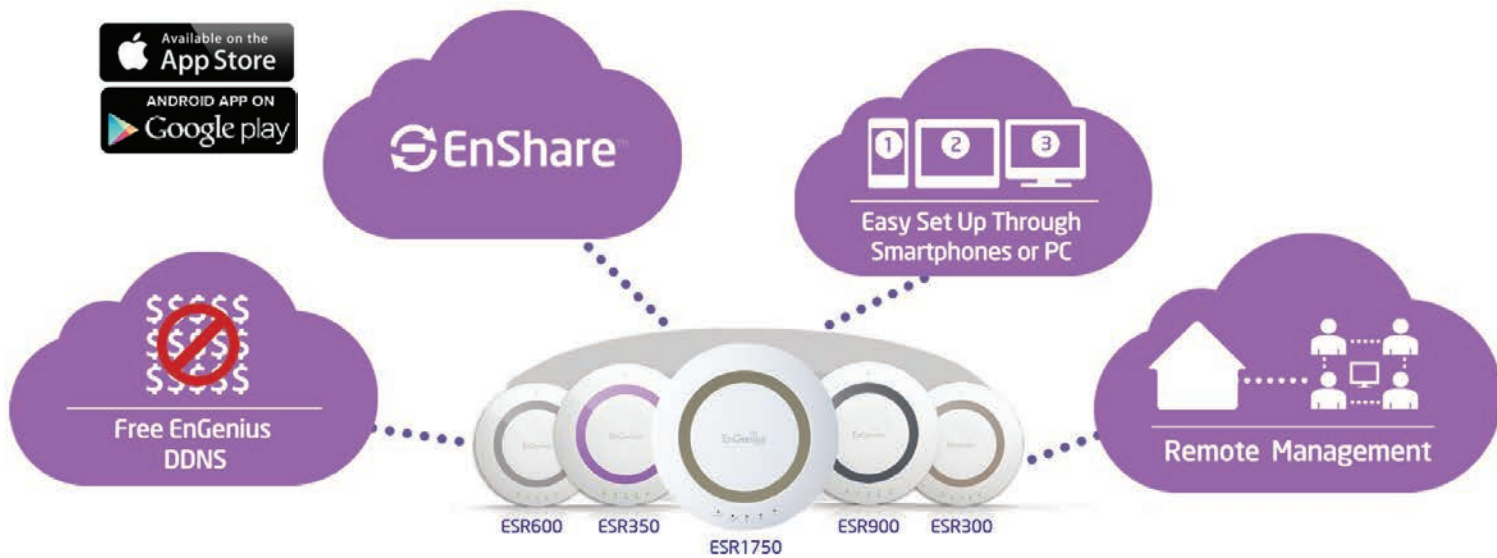


Download EnShare.

Step 3



EnGenius Cloud: Freedom to move and access.



5 Reasons You'll Love EnShare

1

All-In-One

The screenshot shows two side-by-side app screens. The left screen is titled 'Storage' and lists categories: MUSIC, VIDEO, PHOTO, and DOCUMENT. The right screen is titled 'Device Status' and shows details for an ESR600C device, including Public IP Address (192.168.0.1), Local IP Address (XXX.XX.XXX.X), Wireless SSID (EnGenius), Encryption Version (WPS), Firmware Version (1.1.1), and Storage Space (No mounted device).

2

Organized

The screenshot shows two side-by-side app screens. The left screen is titled 'Video' and lists files: File Name type, Weock-it Ralph.avi, and Weock-it Ralph.avi. The right screen is titled 'Document' and lists files: EnShare.xls, EnShare_revised.ppt, EnVault APP_flow.pdf, and EnVault APP_function.doc.



3

Large Image Display



4

Instant Upload & Download



5

Remote Management



Comparison Chart



MODEL NO.	ESR1750	ESR900	ESR600	ESR350	ESR300
WIRELESS SPEED	N450 + AC1300Mbps	11N, 450 + 450Mbps	11N, 300+300Mbps	11N, 300Mbps	11N, 300Mbps
WI-FI FREQUENCY	2.4G + 5G	2.4G + 5G	2.4G + 5G	2.4G	2.4G
WAN/LAN PORT	1x Gigabit 4x Gigabit	1x Gigabit 4x Gigabit	1x Gigabit 4x Gigabit	1x Gigabit 4x Gigabit	1x Fast 4x Fast
USB PORT	1 Port	1 Port	1 Port	1 Port	1 Port
WIRELESS COVERAGE					
UPnP SERVICE	●	●	●	●	●
DLNA MEDIA SERVER	●	●	●	●	●
QoS	●	●	●	●	●
CLIENT MANAGER	●	●	●	●	●
IPv6 COMPATIBLE	●	●	●	●	●
ENGENIUS DDNS SERVICE	●	●	●	●	●
ENGENIUS CLOUD SERVICE (ENSHARE)	●	●	●	●	●
INTERNET APPLICATION					
E-MAILING, CHATTING & VoIP	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
DOCUMENT SHARING	XXXXX	XXXXX	XXXXX	XXXX	XXXX
MULTIMEDIA SHARING	XXXXX	XXXX	XXX	XXX	XXX
ONLINE MULTIPLAYER, GAMING	XXXXX	XXXX	XXXX	XXX	XX
GAMING CONSOLE	XXXXX	XXXX	XXXX	XX	XX
HD STREAMING	XXXXX	XXXX	XXXX	XX	XX



BROADBAND ROUTER

WORK N PLAY SERIES

Work N Play Series delivers faster speed for accessing internet, surfing online and chatting with friends across your house.



ESR1221N

Broadband Router

- Wireless speed up to 150Mbps
- Works with Cable & ADSL Modem
- 4 Ethernet ports to connect varies device



ESR1221N2

Broadband Router

- Wireless speed up to 300Mbps
- Works with Cable & ADSL Modem
- 4 Ethernet ports to connect varies device

BROADBAND ROUTER

Comparison Chart

WORK N PLAY



MODEL NO.	ESR1221N2	ESR1221N
WIRELESS SPEED	300 Mbps	150 Mbps
WAN Port	1x10/100 Mbps	1x10/100 Mbps
LAN Port	4x10/100 Mbps	4x10/100 Mbps
Wi-Fi Frequency	2.4GHz	2.4GHz
Wireless Range	√√	√√
Online Gaming	√√	√√
Multimedia Streaming	√√	√√
VoIP and Online Video Conference	√√	√√
HD Multimedia Streaming	√√	√√
Detachable Antenna	No	No

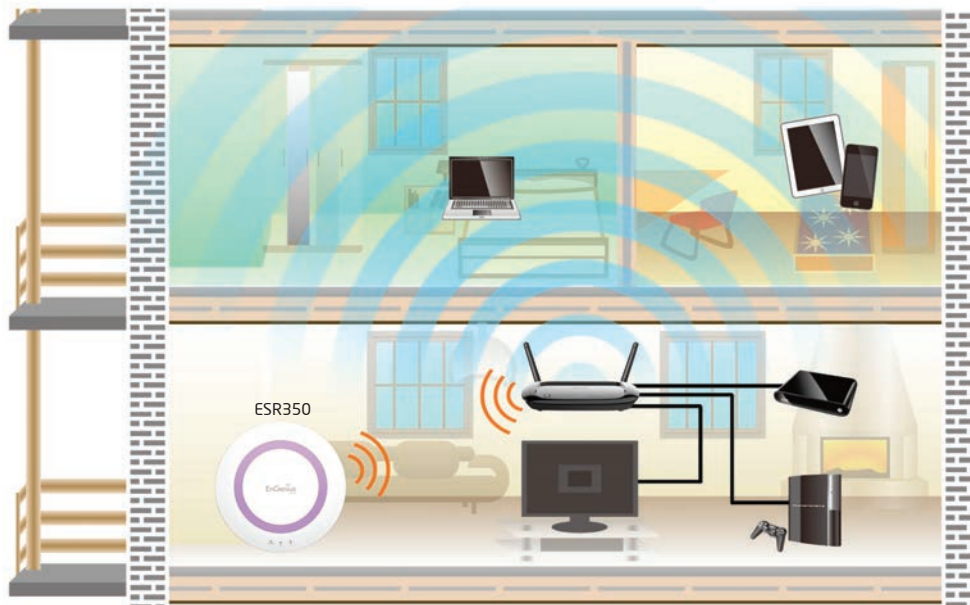
MEDIA BRIDGE & RANGE EXTENDER

Giving you the freedom to roam anywhere in the house and access internet without worrying about coverage.

Increase entertainment experience and extend the wireless coverage in one device.




ERB300H



ERB300H

Media Bridge & Range Extender

- Wireless speed up to 300Mbps
- 4 ports to connect wired devices wirelessly
- Extend wireless coverage and eliminate blind spots
- Easy setup 1-2-3
- LED indicators to identify the best location to place the device for optimal wireless coverage.

 Extended wireless coverage

 Connect wired devices wirelessly

HOME SWITCH



EGS1005

5-Port Gigabit Home Switch

- Switching capacity :10Gbps
- 5 Gigabit Ethernet ports with up to 1,000 Mbps wired speed
- Plug-n-play - no configuration necessary
- Compact design to fit on virtually any home entertainment center
- Ideal for expanding a family's home entertainment options

The EnGenius EGS1005 is 5-Port Gigabit Switch for families that need to attach additional home entertainment devices (game consoles, DVRs, HDTVs, Blu-ray players, and set top boxes) to their existing router. Once connected to the router via the EGS1005, these devices can access the family's Internet connection and access subscription-based entertainment services.

For AV enthusiasts, the EGS1005 is an ideal and cost-effective way to quickly expand the number of entertainment devices in a home theater that have access to one another or the family's Internet connection available from a gateway or home router. For gamers, the switch's outrageously fast wired speed (up to 1,000 Mbps) eliminates lag and makes multi-player gaming more fun and intense.

USB ADAPTER

Maximize your networking connectivity experience with USB Adapter.

EUB9707

- Wireless speed up to 150Mbps

EUB600

- up to 100m
- Wireless speed up to 300Mbps
- Switchable 2.4GHz/5GHz

EUB1200AC

- 802.11AC Wireless USB Adapter
- Wireless speed up to 867Mbps
- Switchable 2.4GHz / 5GHz
- USB 3.0 Interface

EUB9603H

- **ULTRA LONG RANGE**
- Wireless speed up to 150Mbps
- 1 x 5dBi detachable antenna

Compatible with : Windows 8 Mac OS

Wireless throughput is environmentally dependent.



Singapore

EnGenius Networks Singapore Pte Ltd
(+65) 6227 1088
www.engeniustech.com.sg

Worldwide Offices

Costa Mesa, California, USA

EnGenius Technologies, Inc
(+1) 714-432-8668 | www.engeniustech.com

Miami, Florida, USA

EnGenius Technologies Miami, Inc
(+1) 305-887-7378 | pg.engeniustech.com, es.engeniustech.com

Ontario, Canada

EnGenius Technologies
(+1) 905-940-8181 | www.engeniuscanada.com

Dubai, UAE

EnGenius International
(+971) 4-357-5599 | www.engenius-me.com

Eindhoven, Netherlands

EnGenius Networks Europe B.V.
(+31) 40-8200-888 | www.engeniusnetworks.eu

@2014 EnGenius Networks Singapore Pte Ltd.
Information is subject to change without prior notice. All rights reserved.

