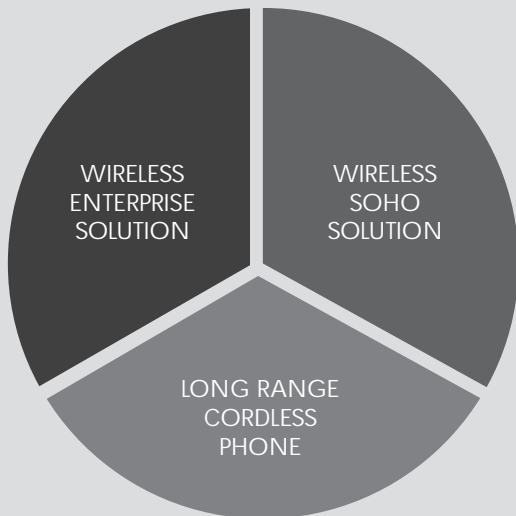


A woman with dark hair pulled back, wearing a dark pinstriped blazer over a light-colored patterned blouse, is shown from the waist up. She is holding a yellow laptop in her left hand and pointing her right index finger towards a glowing wireless signal icon in the upper right corner. The background is a light blue-grey gradient with faint geometric shapes.

EnGenius[®]
Get Connected | Get EnGenius

ENGENIUS PRODUCT GUIDE 2011
WIRELESS SOLUTION FOR HOME & BUSINESS

Company Profile



EnGenius Networks Singapore Pte Ltd was established since 1993 as a sales, service and marketing hub for Europe, Asia Pacific, South Africa and Africa. To serve business partners efficiently in this region, a warehouse and technical lab was set-up in Singapore to achieve a close working relationship with regional partners in developing a strong and stable distribution channel.

EnGenius Networks Singapore Pte Ltd has created many new business opportunities for regional partners with new products and development. It supports the industry's most comprehensive product line for enterprise WLANs, combining the best elements of wireless and wired networking to deliver secure, scalable, high performance WLANs with low total cost of ownership.

EnGenius is positioned as a wireless solution provider founded on a strong background in the research and development. Products are designed for enterprise and industrial market providing wireless data & voice communications in demanding business environments. Current product lines include wireless LAN products & accessories and long range cordless phone.

Why migrate to EnGenius?

Organisations are encouraged to migrate to EnGenius Wireless Network to increase employee productivity and efficiency, gain a competitive advantage and provide network users with a new level of freedom and flexibility.

Some of the major reasons customers are choosing to migrate to EnGenius Wireless Network include:

- Simplified WLAN deployment
- Low-cost management
- Reduced total cost of ownership (TCO)
- Performance
- Extended Connectivity
- Scalability
- Mobility
- Secure guest access
- Outdoor wireless Mesh networking
- Advanced Security feature

EnGenius Wireless Network supports the industry's most comprehensive product line for enterprise WLANs.

It combines the best elements of wireless and wired networking to deliver secure, scalable, high-performance WLANs with a low total cost of ownership.

EnGenius will evolve the EnGenius Wireless Network to support new business applications, WLAN technology developments and enterprise-class network demands.

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Seamless Integration With WiFi Networking Technologies & Backbone Infrastructure

EnGenius WiFi Wireless Mesh AP solution addresses the market requirements for

- Robust design
- Highly scalable
- Self configurable
- Self healing
- Self adaptive
- Seamless mobility

In general, EnGenius Mesh Solution offers end users with secure, seamless roaming beyond traditional WLAN boundaries and our solutions provides easy deployment in areas that do not support or with insufficient wiretion is well-suited for providing broadband wireless access in areas that traditional WLAN systems are unable to cover or with limitations indeployment (such as limited backbone or inability to deploy).

WiFi Mesh Network Action



EnGenius AP/CB with Mesh Design

M-Series separate one radio to 2 application for AP and MESH

Access Point

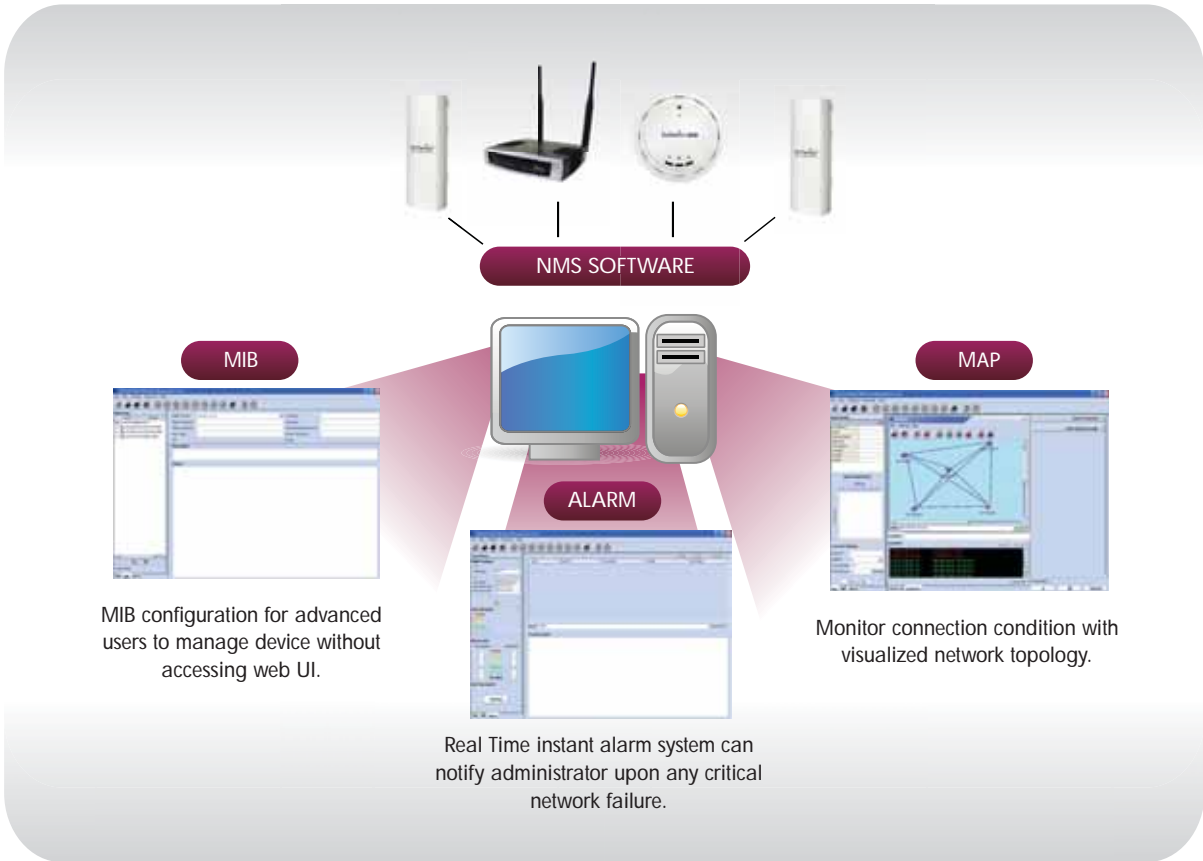
Client access wireless link on IEEE802.11b/g (M2000, M36, M35) or IEEE802.11a (M5000) with RF output power up to 28dBm(11b/g) and 26dBm(11a)



MESH Link

Backhaul mesh connection radio on IEEE802.11b/g (M2000, M36, M35) or IEEE802.11a (M5000) with RF output power of 28dBm (M2000) or 26dBm (M5000) and with external Omni Antenna backhaul interconnection range and coverage requirement

MESH NMS Software



Indoor MESH AP

M35



11b/g
Indoor Wireless MESH AP

- 2 x 5dBi dipole Antenna.
- 7 operating modes support.
- MESH & NMS Support.
- MSSID, 802.3af, SNMP, 802.1x, Bandwidth Management.

M36



11b/g
Indoor Wireless MESH AP

- Integrate diversity 5dBi Antenna.
- Access Point/ WDS/ Repeater.
- Antenna Diversity Support.
- Wall mount and Ceiling Mount.
- LED on/off Control.
- MESH & NMS Support.
- MSSID, 802.3af, SNMP, Bandwidth Management.

Outdoor Mesh AP

M2000



11b/g
Outdoor Wireless MESH AP

- Integrated 10dBi Antenna with Dual polarization.
- Extra SMA connector (Hardware based Switch).
- MESH & NMS Support.
- Water and dust proof (IP55).
- Client bridge/Client Router/Access Point.
- PoE (24V), SNMP, Narrow Band Support.

M5000



11a/b/g
Outdoor Wireless MESH AP

- Integrated 14dBi Antenna @11a only with Dual polarization.
- 2*Extra SMA connector (Hardware based switch).
- MESH & NMS support.
- Water and dust proof (IP55).
- Client bridge/Client Router/Access Point.
- PoE (24V), SNMP, Narrow Band Support.

Outdoor AP Mechanical Features

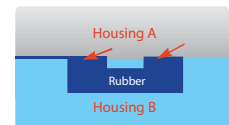
- Professional mechanical design



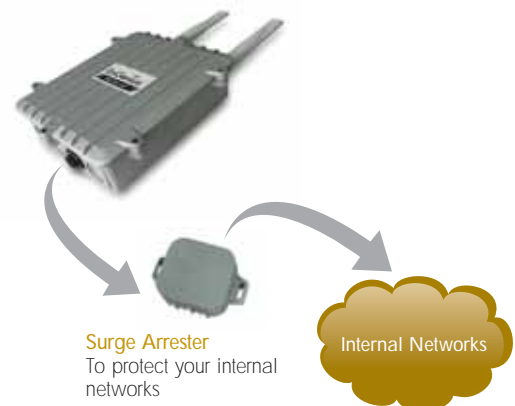
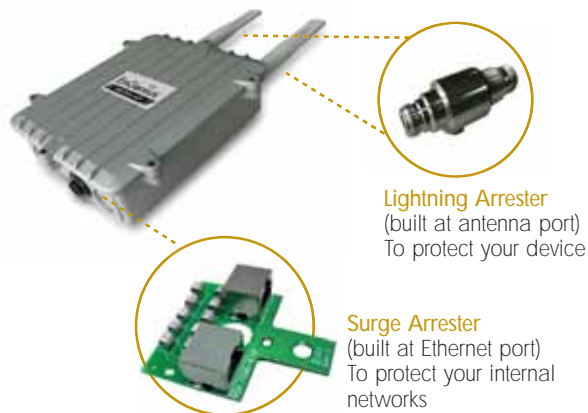
- EMI/RFI. MESH wire materials are monel and stainless steel



- Waterproof IP68 compliant

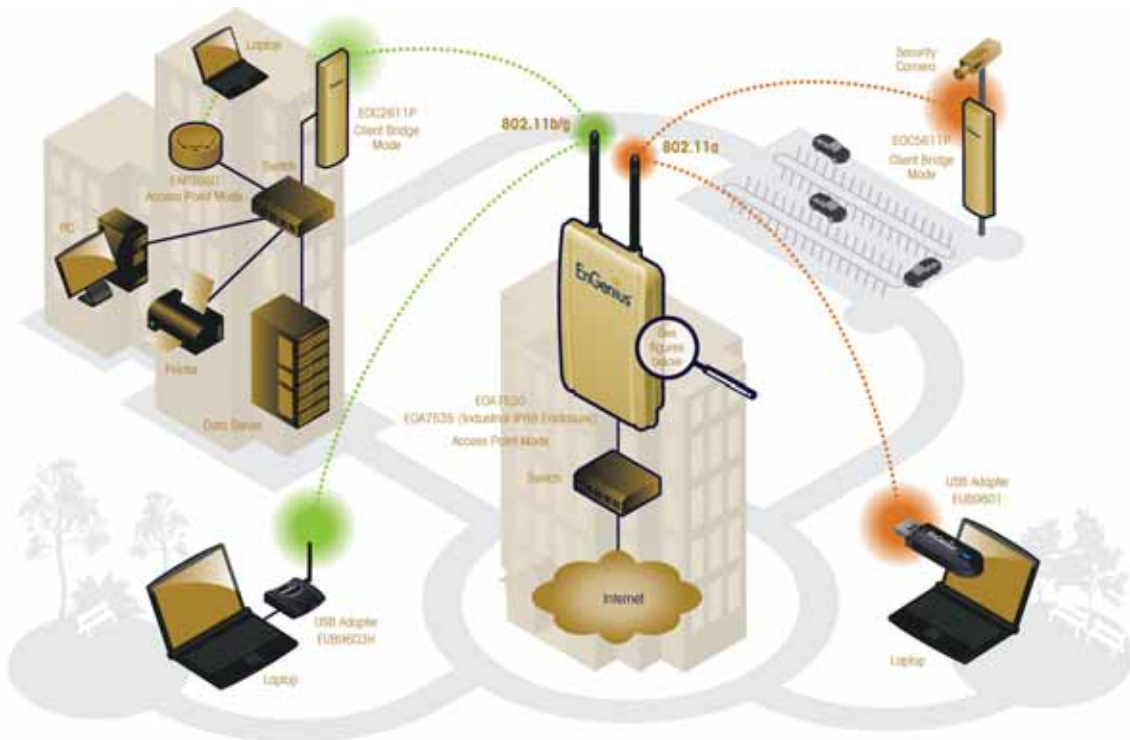


Robust design for lightning protection

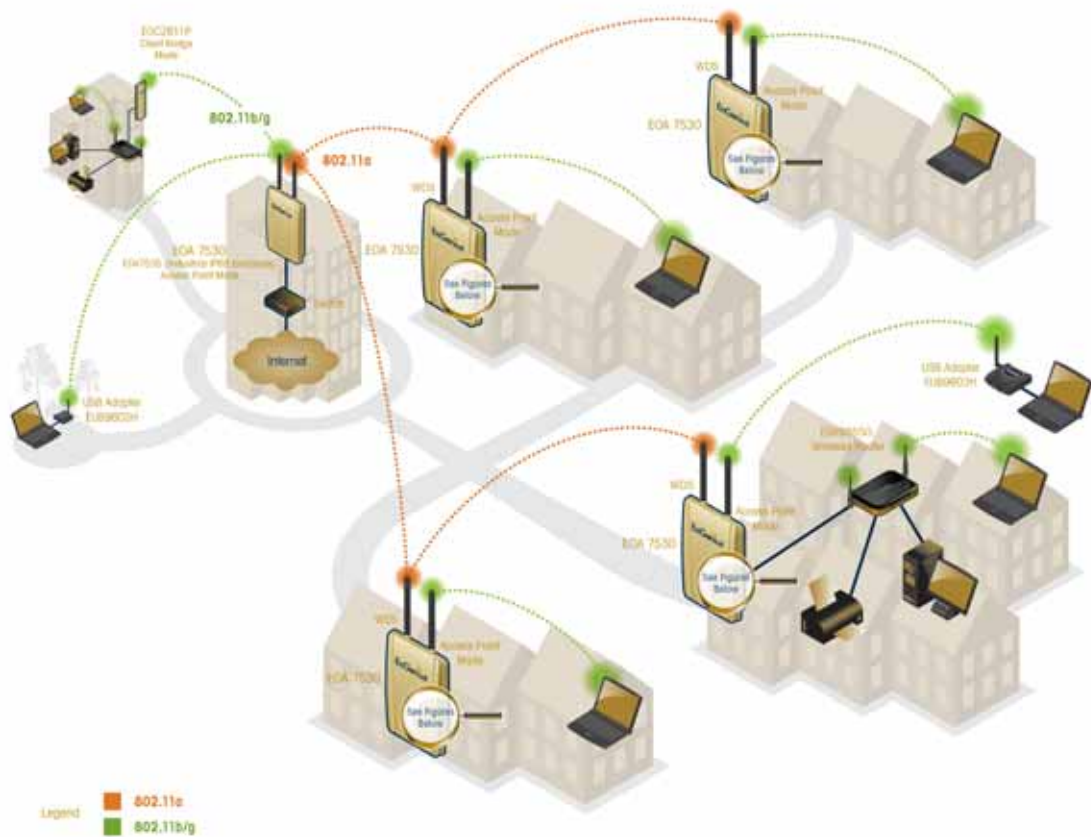


DUAL RADIO OUTDOOR AP SOLUTION

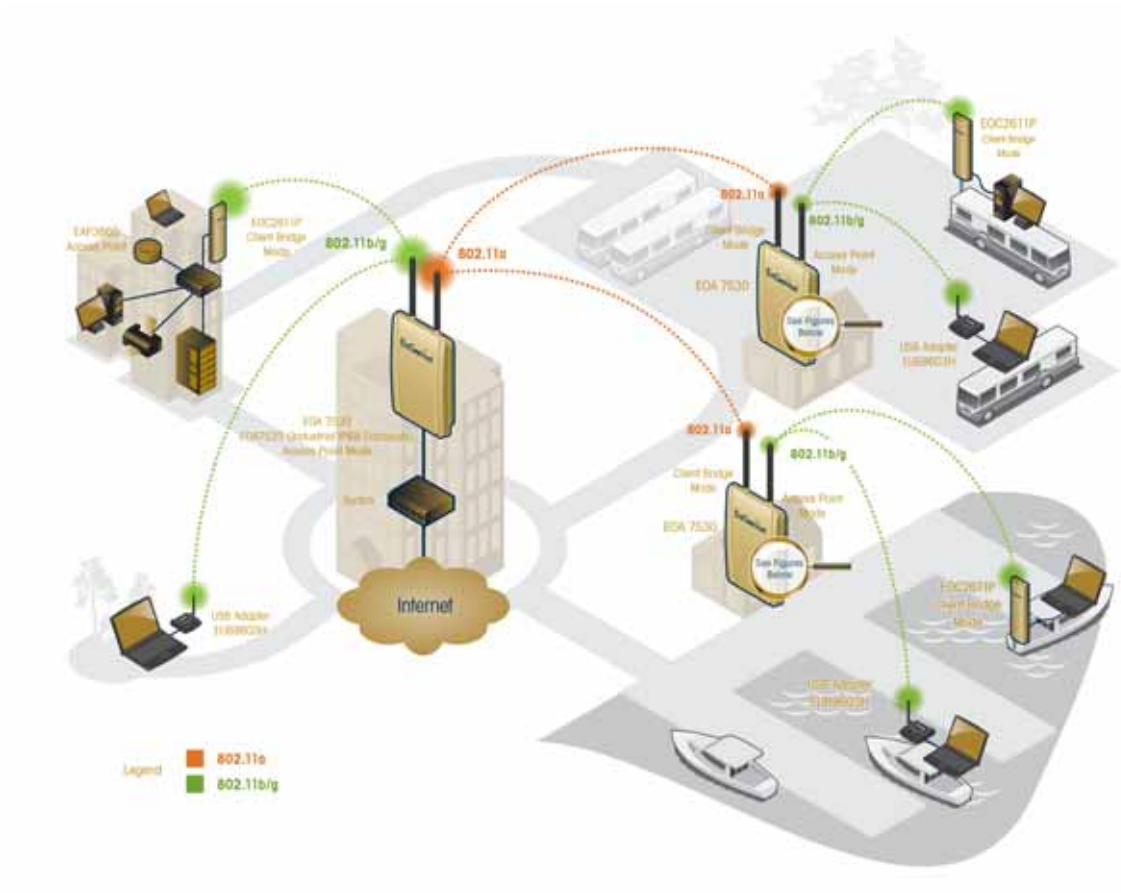
I. Business Wireless Application Notes - Concurrent Dual-Band Access Point



II. Business Wireless Application Notes - Multi-Hop Repeater



III. Business Wireless Application Notes - Dual Radio Repeater



OUTDOOR AP SERIES

EOA3630



11b/g

Wireless Long Range Outdoor Multi-Function Access Point

- IEEE802.11b/g compliant.
- Super G, 108Mbps.
- Extra N-type connector.
- Water proof design (IP65).
- 7 modes support.
- AP neighborhood site survey, Bandwidth shaping, Auto channel selection, Narrow band support, SNMP, Private MIB, MSSID/ Vlan, PoE(24V).

EOA7530



11a/b/g

Dual Radio Multi-Function Access Point / Client Bridge

- Two Radio Support, Radio 1:802.11a, Radio2:802.11b/g.
- 2x External N-type connector for 5GHz and 2.4GHz individually.
- Multi-Operation Modes for flexible and various application.
- Proprietary 48V PoE.
- Water proof design (IP65).
- MSSID/VLAN, Bandwidth Control and Management SNMP, WPA/WPA2, 802.1x Authenticator.

EOR7550



11a/b/g/n

Dual Radio Multi-Function Access Point / Repeater

- Two radio support, radio 1: 802.11a/b/g, radio 2: 802.11b/g/n.
- 2 x External N-type connector for Radio1 with 5GHz and 2.4GHz individually.
- 1 x Embedded 6dBi 11n Smart Antenna.
- Water proof design (IP65).
- Multi-Operation modes for flexible and various application.
- MSSID/VLAN, Bandwidth Management, Auto/Best Channel Selection.
- SNMP, WEP/WPA/WPA2, 802.1x Authenticator.

EOA7535



11a/b/g

Wireless Dual Radio Concurrent Access Point/Client Bridge

- Two Radio Support, radio 1: 802.11a, radio2: 802.11b/g.
- Water proof design (IP68), embedded lightning protector on RF and Ethernet.
- 2 x External N-Type connector for 5GHz and 2.4GHz individually.
- Multi-Operation Modes for flexible and various application.
- Proprietary 48V PoE.
- MSSID/VLAN, Bandwidth Control and Management
- SNMP, WPA/WPA2, 802.1x Authenticator.

OUTDOOR CPE SERIES

EOC1650



11b/g
Wireless Outdoor Access Point/Client Bridge

- IEEE 802.11 b/g compliant.
- Client Bridge/Access Point/Client Router/WDS.
- Integrated 7dBi ANT & Extra SMA Connector (H/W Switch).
- Proprietary 24V PoE Design.
- SNMP, 802.1x, Narrow Bandwidth support.
- MSSID, VLAN.
- LED Indicator.
- Compact size and light weight.
- Extra 5dBi Dipole antenna included.

EOC2611P



11b/g
Wireless Outdoor Access Point/Client Bridge

- IEEE802.11b/g compliant.
- Support super G 108Mbps
- Client Bridge/Client Router/Access Point.
- Integrated 10dBi ANT & Extra SMA connector (H/W Switch).
- Proprietary 24V PoE Design.
- SNMP, Narrow Bandwidth Support.
- MSSID/ VLAN.
- Support Dual Antenna Polarization.
- AP neighborhood site survey, Bandwidth shaping, Auto channel selection, Private MIB.
- IP55 water proof design.

EOC5510



11a
Wireless Outdoor Access Point/Client Bridge

- IEEE802.11a compliant.
- Client Bridge/Client Router/Access Point.
- Integrated 8dBi ANT@5GHz & Extra SMA connector (H/W Switch).
- Proprietary 24V PoE Design.
- SNMP, Narrow Bandwidth Support.
- Support Antenna Diversity
- Water proof design.

EOC5611P



11a/b/g
Wireless Outdoor Access Point/Client Bridge

- IEEE 802.11a/b/g compliant.
- Client Bridge/Client Router/Access Point.
- Integrated 14dBi ANT@5GHz & 2 x Extra SMA connector (H/W Switch).
- Proprietary 24V PoE Design.
- Narrow band support, SNMP.
- MSSID/VLAN.
- Support Dual Antenna Polarization.
- AP neighborhood site survey, Bandwidth shaping, Auto channel selection, Private MIB.
- IP55 water proof design.

11N OUTDOOR SERIES

ENH200

NEW !



11b/g/n

Wireless-N Long Range Access Point/Client Bridge

- 1Tx+1Rx : 150Mbps, 2*10/100 Ethernet
- High Power up to 28dBm
- Integrated 10dBi Antenna with dual polarization
- Specific WISP Mode (CR/CB/AP/WDS)
- IP55 Water proof design
- 24V PoE support
- Reset button on PoE injector
- MSSID, SNMP, Bandwidth Management

ENH202

NEW !



11b/g/n

Wireless-N Long Range Access Point/Client Bridge

- 2Tx+2Rx : 300Mbps, 2*10/100 Ethernet
- High Power up to 28dBm
- Integrated 10dBi Antenna with dual polarization
- Specific WISP Mode (CR/CB/AP/WDS)
- IP55 Water proof design
- 24V PoE support
- Reset button on PoE injector
- MSSID, SNMP, Bandwidth Management

ENH500

COMING SOON



11a/n

Wireless 2 x 2 Long Range Outdoor Access Point/Client Bridge

- 2Tx+2Rx: 300Mbps, 2*10/100 Ethernet
- High Power up to 27dBm
- Integrated 13dBi Antenna with dual polarization
- Specific WISP Mode (CR/CB/AP/WDS)
- IP55 Water proof design
- 24V PoE support
- Reset button on PoE injector
- MSSID, SNMP, Bandwidth Management

ENH210/ENH210EXT

COMING SOON



11a/b/g/n

Enterprise Gigabit Ethernet Outdoor AP/CB

- 2Tx+2Rx: 300Mbps, 2*Gigabit
- High Power : 29dBm
- Integrate 14dBi Antenna with dual polarization (ENH210)
- 2*N-Type connectors for 2.4GHz ANT (ENH210EXT)
- Specific WISP Mode (AP/CB/WDS)
- IP67 Water proof design
- 48V PoE support (802.3af/at compliant)
- Reset button on PoE injector

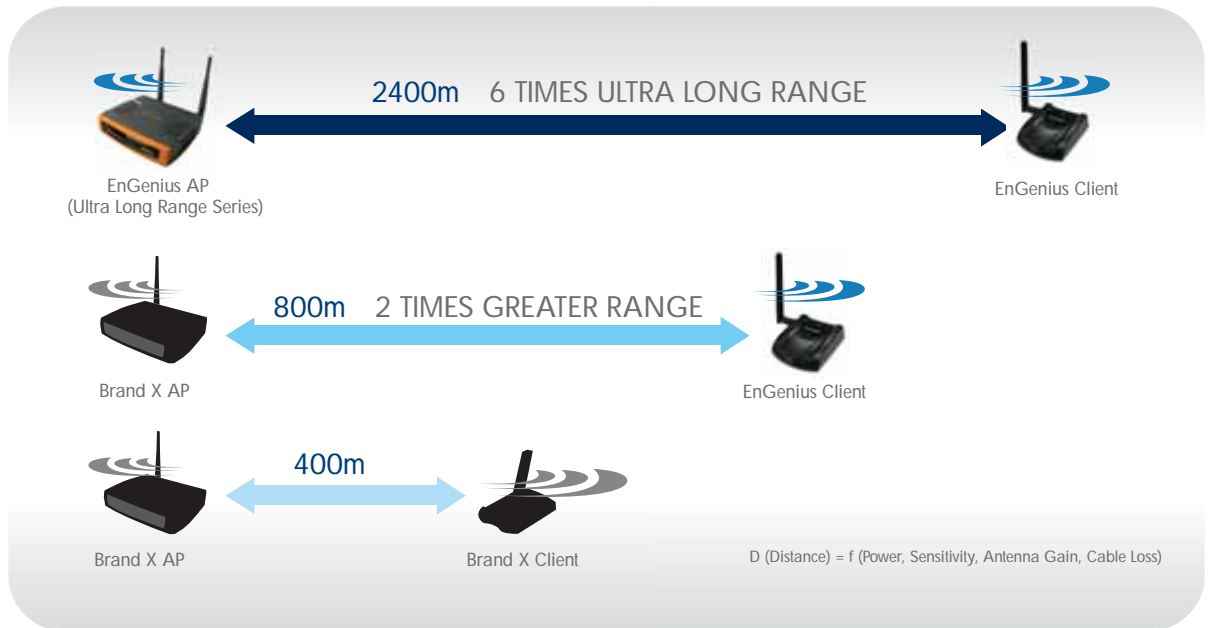
High Power & Ultra Long Range

Why EnGenius High Power?

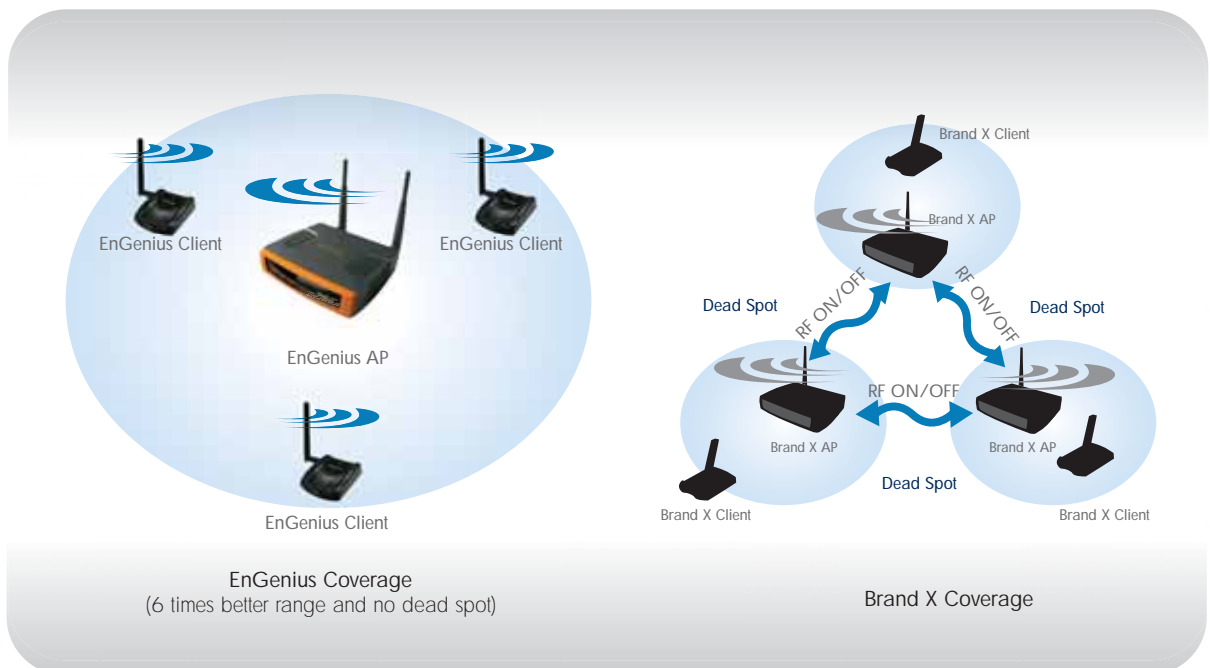
Liberate restrictions of normal WiFi networks

- * 6 times better range and coverage with high RF power and sensitivity
- * No dead spots
- * Higher stability when roaming between APs

We give you the performance



Network Coverage Between EnGenius Wireless AP and Other brand





1. AP MODE

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



2. CLIENT MODE

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 mode AP. This mode is mostly used as a CPE device for WISP subscriber service.



3. ROUTER MODE

The LAN 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 LAN port. Making IP sharing possible.



4. BRIDGE MODE

In This mode, 2 access points is being connected to provide a wireless bridge between 2 remote LANs. It is mostly used by enterprise to connect 2 remote office's network together. The bridge mode is connected by using either the WDS (Wireless Distributed System) or ADHOC topology.



5. 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 or make. Therefore, it can work with almost any wireless device.



6. WDS

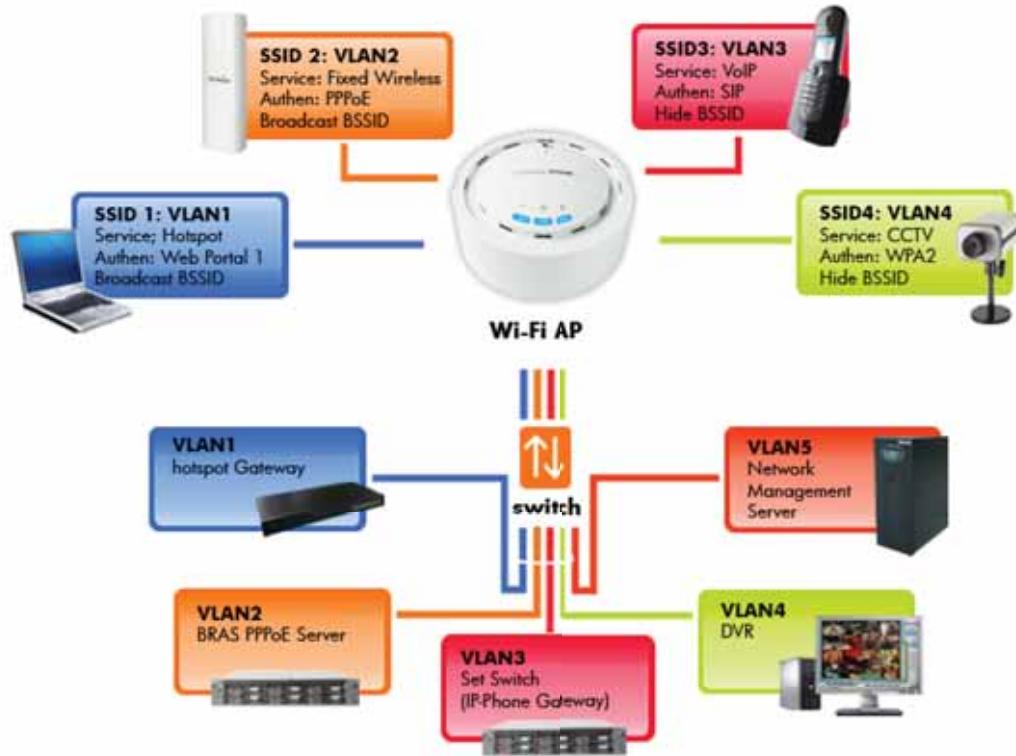
This function extends wireless range of another wireless AP. For WDS repeater to work, the remote wireless AP must also support WDS function and in some cases only works with the same brand and make. The function may support token ring and star topology with the spanning tree protocol.



7. WISP (CLIENT ROUTER) MODE

In WISP 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.

Application for MSSID & VLAN



INDOOR AP & CPE SERIES

EAP-3660



11b/g
Wireless Access Point/WDS

- IEEE802.11b/g compliant.
- Supports Multi-SSID function.
- Universal Repeater.
- Diversity support.
- Bandwidth selection.
- WPA2/WPA/IEEE802.1x support.
- Support Power-over-Ethernet (PoE).
- Support high power transmission.

EAP9550



11b/g/n
Wireless Access Point/WDS

- IEEE802.11b/g/n compliant.
- Supports Multi-SSID function.
- Universal Repeater.
- Diversity support.
- Bandwidth selection.
- WPA2/WPA/IEEE802.1x support.
- Support Power-over-Ethernet (PoE).
- Support LED ON/OFF.
- Support VLAN Management

ECB3500



11b/g
Wireless Multi-Function Client Bridge/AP

- IEEE802.11b/g compliant.
- Powerful features which consist of 7 + 1 multi-functions.
- Support Multi-SSID function.
- Detachable antenna that support flexible deployment.
- High Speed Data Rate up to 108Mbps at Super G mode.
- Enhanced security features.
- Antenna diversity support.

ECB9500



11b/g/n

Multi-function Gigabit Wireless-N Client Bridge

- IEEE802.11b/g/n compliant.
- Powerful features which consist of 7 multi-functions.
- Support Multi-SSID function.
- Detachable antenna that support flexible deployment.
- Delivers up to 6x faster speeds and 7x extended coverage compare with 802.11g devices.
- Universal Repeater.
- Enhanced security features.
- Support Gigabit PoE.

ECB7510



11a/b/g/n

Wireless Gigabit Dual Band Concurrent Router AP

- Two radio support, radio 1: 802.11b/g/n, radio 2: 802.11a/n.
- Dual Concurrent N allows simultaneous operation of 2.4GHz and 5GHz wireless network
- Support 802.3af/at
- Access Point/Client Bridge/Repeater/WDS (AP & Station)
- VPN Pass-Through (PPTP, L2TP, IPSEC)
- MSSID/VLAN, Bandwidth Management, Auto/Best Channel Selection.
- WEP/WPA/WPA2, 802.1x Authenticator.
- 2.4G/5G (3dBi/5dBi) Dual Band Antenna

Antenna

EAD-2407



802.11b/g 2.4GHz 7dbi Dipole Antenna

- Suited for IEEE 802.11b and 802.11g wireless LANs
- Gain 7dBi
- Frequency: 2.4 ~ 2.5 GHz
- Suitable as a replacement RF antenna for many access points and radios that are equipped with reverse-polarity SMA connectors
- Suitable for EUB9603H, ESR1 221 EXT, ESR9753, ERB9250 and ESR9850
- Allowing them to be used vertically, at a right angle, or any angle in-between

EAD-2400-15W



2.4GHz Omni Antenna

- High performance omnidirectional antenna designed for the 2.4 GHz band.
- Gain 15dBi
- Frequency (MHz) 2400-2483
- IP66 Waterproof Level
- UV Protected and Durable Fiberglass Radome.
- Heavy-duty Extruded Aluminum Bracket and Stainless U-Bolt.
- RoHS Compliant.

EAG-2408



802.11b/g 8dbi Indoor/Outdoor Omni Directional Antenna

- Bandwidth degree : Horizontal 360 degrees; Vertical 15 degrees
- Frequency 2400-2483 MHz
- Type G.P.
- Connector N-type / Female
- Most recommended to be use with EOC2611P and ECB3500.

EAG-2424



802.11 b/g 24dBi Outdoor Grid Antenna

- Features high gain, long working distance, light weight, compact structure and good command in wind resistance.
- Freq. Range - MHz: 2400 ~ 2483.
- Line-Of-Sight wireless range is up to 35km.
- F/B Ratio - dB: 30 dB.
- Max Power-W: 100w.
- Connector: N Female.
- Most recommended to be use with EOC2611P.

EAG-5824



802.11 a 5.8GHz 24dBi Outdoor Grid Antenna

- Features high gain, long working distance, light weight, compact structure and good command in wind resistance.
- Freq. Range - MHz: 2400 ~ 2483.
- Line-Of-Sight wireless range is up to 35km.
- F/B Ratio - dB: 30 dB.
- Max Power-W: 100w.
- Connector: N Female.
- Most recommended to be use with EOC5611P & EOC5510.

Antenna

EAG-5827



802.11a 5.8GHz 24dBi Grid Antenna

- Frequency: 5725 - 5850 MHz
- Bandwidth: 275 MHz
- Gain: 27 dBi
- Most recommended to use with EOC5611P and EOC5510.

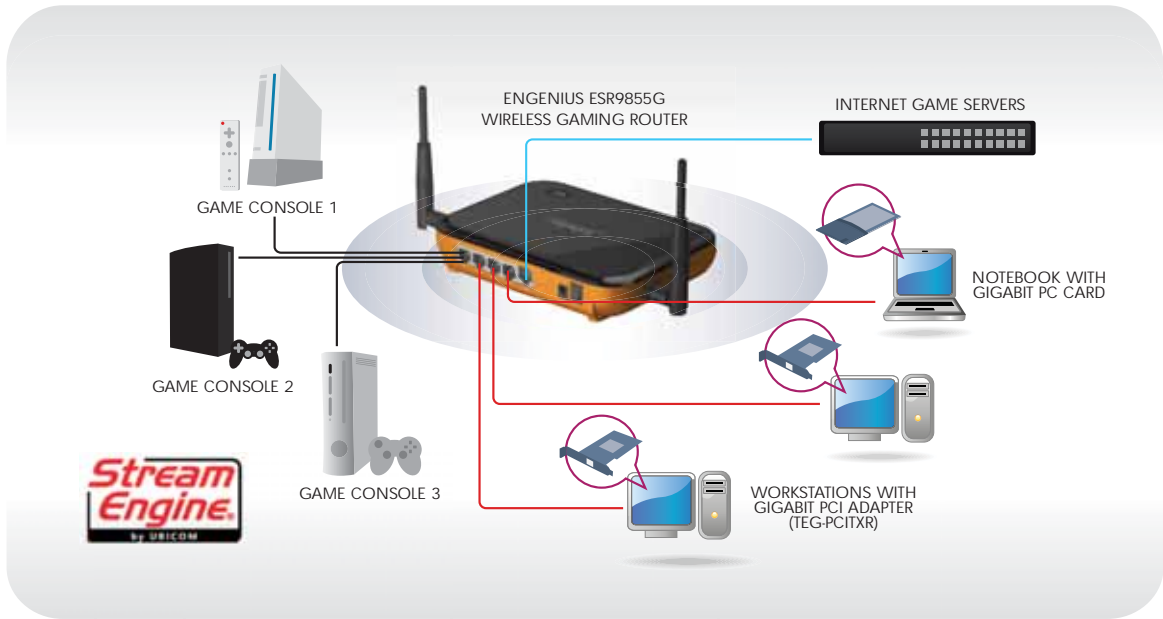
EAP-2418



802.11b/g 18dBi Flat Panel Antenna

- Frequency: 2400 - 2483MHz
- Gain: 18 dBi
- Provides multiform transmission when placed on a ceiling, as the higher power output extends the range through typical flooring materials.
- Most suitable to be use with EOC2611P, EOA3603, EOA7530 and EOA7535.

Engenius Home Wireless solution



Wireless Broadband Router

ESR9752



11b/g/n Wireless-N Multimedia Router

- IEEE802.11 b/g/n compliant.
- High speed data rate up to 300Mbps.
- Built-in 4-Port 10/100 Switch.
- Supports WEP, WPA, and WPA2.
- WPS button support.
- Green Technology (Power Saving).
- Supports 2T x 2R radio.
- P2P enhanced up to 30000 connections.

ESR9753



11b/g/n Wireless-N Broadband Router

- IEEE802.11b/g/n compliant.
- High speed data rate up to 150Mbps.
- Built-in 4-Port 10/100 Switch.
- Green Technology (Power Saving).
- Supports WEP, WPA, and WPA2.
- WPS button support.
- Supports 1T x 1R radio.

ESR9850



11b/g/n Wireless-N Gigabit Multimedia Router

- IEEE802.11b/g/n compliant.
- High speed data rate up to 300Mbps.
- Built-in 4-Port 10/100/1000 Switch.
- Supports WEP, WPA, and WPA2.
- WPS button support.
- Full WiFi Security and firewall support.
- Upgradable antenna.
- P2P enhanced up to 50000 connections.
- Supports 2T x 2R radios.

ERB9250



11b/g/n
Wireless-N Universal Repeater

- IEEE802.11b/g/n compliant.
- Ultra Speed: X6 up to 300Mbps.
- One Touch Setup Extender.
- Client Mode WPS.
- Repeater + Client Bridge.
- Green Technology (Power Saving).
- Upgradable Antenna (SMA connector).
- Full Security Support.

ERB9260

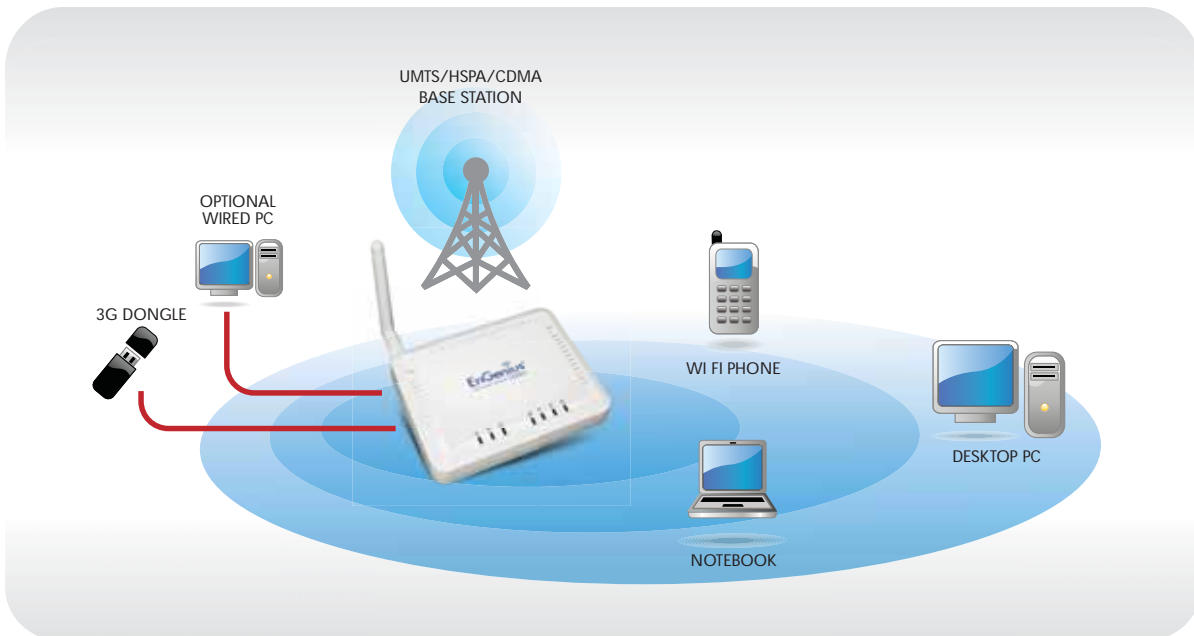
COMING
SOON



11b/g/n
802.11N 2T2R Wireless Extender (Universal Repeater)

- Ultra Speed: X6 up to 300Mbps.
- Client Mode WPS.
- 802.11 x Authenticator.
- Green Technology (Power Saving).
- 2dBi embedded ANT
- Smart Setup (no IP configuration needed)

Wireless 3G Router



ESR6650



11b/g/n
Wireless-N 3.5G Router

- IEEE 802.11b/g/n Compliant.
- High speed data rate up to 150Mbps.
- 2 x LAN, 1 x WAN Port.
- 1 x USB (3.5G card interface).
- WPS button support.
- Upgradable antenna.
- Full WiFi security and firewall support.
- Supports 1T x 1R radio.

ESR6670



11b/g/n
Wireless-N 3.5G Multimedia Router

- IEEE 802.11b/g/n Compliant.
- High speed data rate up to 300Mbps.
- 2 x LAN, 1 x WAN Port.
- 1 x USB (3.5G card interface).
- Upgradable antenna.
- Full WiFi security and firewall support.

ETR9350



11b/g/n
Wireless-N Pocket Router

- IEEE 802.11b/g/n Compliant.
- High speed data rate up to 300Mbps.
- Pocket size 11n AP in 91 x 63 x 31mm.
- USB support connector for 2.5G/3G/3.5Gs.
- 10W Internal Power Board.
- AP/Router/Client Bridge mode.
- One 10/100 Fast Ethernet RJ-45.
- 2 Internal PCB Antenna.
- 5 LEDs (Operation mode, Power, WLAN, WPS, RJ45 port).

ETR9360



11b/g/n
Battery Operated Wireless-N Pocket Router

- IEEE 802.11b/g/n Compliant.
- Built-in operating battery.
- High speed data rate up to 150Mbps.
- 13 hours standby/4 hours full loading.
- IEEE 802.11b/g/n Compliant.
- Pocket size 11n AP in 91 x 63 x 31mm.
- USB support connector for 2.5G/3G/3.5Gs.
- 10W Internal Power Board.
- AP/Router/Client Bridge mode.
- One 10/100 Fast Ethernet RJ-45.
- 2 Internal PCB Antenna.

Wireless VPN Router

EVR100



11b/g/n
802.11b/g/n VPN Router

- 2T2R Wireless 11N Gigabit
- High Speed data rate up to 300Mbps
- Built-in 4-port full-duplex 10/100/1000 Gigabit Fast Switch
- WAN : One 10/100/1000 Fast Ethernet RJ-45
- LAN : Four 10/100/1000 Fast Ethernet RJ-45
- WPS (Wi-Fi Protection Setup)
- PPTP, IPSEC, L2TP passthrough
- 802.1x Authenticator MD5/ TLS/ TTLS, PEAP
- Support WPE/WPA/WPA2
- 5 VPN Tunnels

ESR1221N



11b/g/n Wireless b/g/n Router/AP

- IEEE802.11b/g/n compliant.
- High Speed data rate up to 150Mbps.
- 4-LAN/1-WAN, 10/100Mbps Ethernet Port.
- Wireless LAN power saving
- Supports WEP/WPA/WPA2

ESR1221N2



11b/g/n 802.11N 2T2R Wireless Router

- IEEE802.11b/g/n compliant.
- High Speed data rate up to 300Mbps.
- 4-LAN/1-WAN, 10/100Mbps Ethernet Port.
- Wireless LAN power saving
- Supports WEP/WPA/WPA2

Accessories

ESA-7500



Surge Arrester

- Superior lightning and surge protection.
- Compatible with Power-over-Ethernet (PoE).
- Supports normal and reverse polarity PoE.

EPE-4818



PoE Injector

- Delivers Power-over-Ethernet cable.
- Centralized power supply with each remote device.
- Input: 48V/0.375A, with 18W power supply.
- Protects equipment from power surge.

EPE-5818af



PoE Injector (802.3af)

- Delivers Power-over-Ethernet cable.
- Centralized power supply with each remote device.
- Input: 48V/0.375A.
- Protects equipment from power surge.
- Compliant to 802.3af standard PoE.

EPD-5818



PoE Splitter (802.3af)

- Compliant to 802.3af standard PoE.
- DC: 48V in, 12V power out to the device.
- For device that do not support PoE function.

EPE-5818Gaf

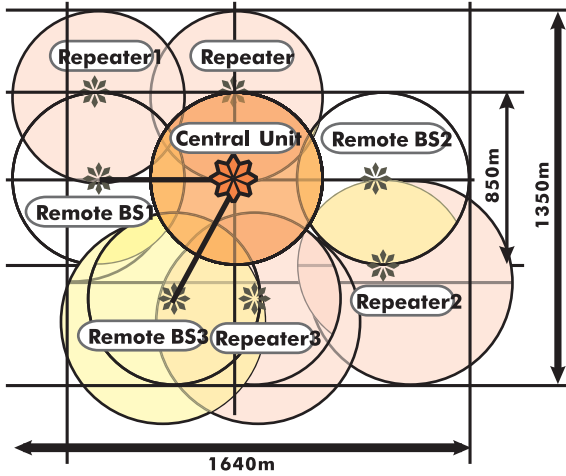


802.3af Gigabit PoE Injector

- Default power over ethernet cable.
- Support Gigabit Ethernet.
- Provide huge throughput up to 1000Mbps.
- Input: 48V/0.375A.
- Designed for outdoor networking facility and low density installations.
- Best use with ECB9500.

Long Range Cordless System

Coverage of Multi-Cell DECT



Benefits compare to DECT PBX:

- Much better mobility.
- Cost saving for system wiring and installation.
- Excellent outdoor area coverage.

Coverage of Single-Cell WPBX



Strong vertical penetration up to 12 floors of in building penetration



up to
12 floors
of in building penetration

LONG RANGE CORDLESS SYSTEM



Outdoor Antenna

Target user work in



Warehouse

Increased efficiency and productivity

Warehouse staff respond to order changes and enquiries in real time, without costly delays. Managers track shipments and make direct calls to suppliers quickly.



Farmland/Ranch

Connecting the workspace

Farm and ranch worker utilize wireless telephones to coordinate efforts between workspace and supporting staff.



Office

Immediate access to information

Customers reach the right person directly rather than being transferred into voicemail. Managers are contacted quickly when a decision must be made, eliminating costly delays.



School

Higher level of campus security

Teachers, administrators, and security staffs have communication access anywhere on campus, enabling them to stay in touch with each other.

SP-922 PRO

4-Line Long Range Cordless System



- 900MHz ISM band.
- 4-line/port system.
- Multi-based capacity.
- Long range/high coverage.
- 2-Way Intercom.
- Broadcast.
- Up to 12 floors in building penetration.
- Up to 250,000 sq.feet in coverage.
- Up to 5km in open space.
- Frequency band: 902-928MHz.
- Support 4 CO lines.
- Support multi-bases, up to 8 bases.
- 2-way intercom.
- Rugged and durable design.
- Broadcasting.
- Auto-attendant.
- Speakerphone.
- Support multi-handsets, up to 90.
- Support type I/II caller ID.
- Support English/French/Spanish language.
- Call transfer, call hold, call timer.
- 90 names/numbers phonebook.
- Mute, flash, radial.
- Volume control.
- 4-line LCD.
- Key guard.
- Optional external antenna.
- 3-way conference.

EP801

Extreme Range Single Line Cordless Telephone



- 1-Line digital long range cordless, base with dialing keypad and speakerphone.
- Frequency band: 863-865MHz.
- Coverage up to 25,000 square feet, 6 floors of penetration, 6 acres.
- Expandable to 9 additional handsets, 4 additional bases.
- Display multi-language: English/French/German/Italian/Spanish.
- ETSI caller ID supported.
- Handset & base speakerphone.
- Two-way intercom.
- Broadcasting.
- CE Compliance.
- RoHS compliant.

EP802

Long Range Single Line Cordless Telephone



- Up to 10 acres of outdoor coverage
- Up to 6 floors of in-building penetration
- Up to 25,000 square feet of indoor coverage
- Multi-language setup option
- Built-in speakerphone on both the base and handset units
- Two-way radio for instant communication
- Extreme Range – Superior penetration through concrete, wood and dry wall for multi-level and outdoor range.
- Built-In Intercom/Radio – Acts as a two-way radio for instant, alternative forms of wireless communication.
- Expandability – Supports anywhere from 1 to 9 handset(s) per base.
- WiFi Friendly – Will not interfere or cause disruption with WiFi-networks.
- Hands-Free Speakerphones – Speakerphone use on either handset(s) or base.

SP-922SG Series Accessories



DuraFonSH

Desktop charger with AC adapter for SP922SG/SP-922Pro.



DuraFon BA

1700mAh Li-Ion Battery for SP-922SG/SP-922Pro.



DuraFon HSA1

Optimal performance handset antenna (Long) for SP-922SG/SP-922Pro.



DuraFon HSA2

Low profile handset antenna for SP-922SG/SP-922 Pro.



DuraFonBC

Belt clip for SP-922SG/SP-922 Pro.



Outdoor Antenna Kit

6dBi outdoor antenna with loss cable for SP-922SG/SP-922 Pro.

EP801 Accessories



Desktop Charger (dual slot)



1700mAh Li-Ion Battery



Optimal performance handset antenna (Long)



Low profile handset antenna



Base dipole antenna



Handset Cover



Pouch



Base power adapter (12V/1A) AC 100~240V



Handset Charger power adapter (5.5V/1.5A) AC 100~240V

LONG RANGE
CORDLESS SYSTEM

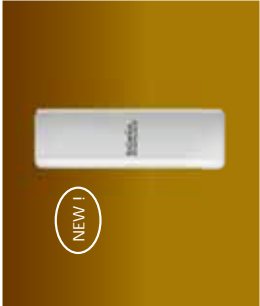
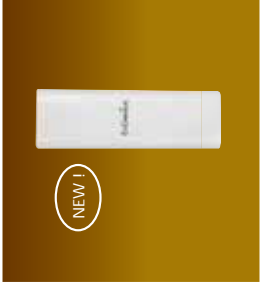



Business Outdoor & Outdoor Dual Radio Solution Comparison Chart

	OUTDOOR CPE					DUAL CONCURRENT AP		
	EOC2611P	EOC5611P	EOC1650	EOC5510	EOA3630	EOA7530	EOA7535	EOR7550
PRODUCT PICTURE								
STANDARD	B/G	A/B/G	B/G	A	B/G	A/B/G	A/B/G	A/B/G/N
WiFi DATA RATE (Mbps)	108	54	54	54	108	54 + 54	54 + 54	54 + 300
LAN INTERFACE	1	1	1	1	1	1	1	1
MAX. TX POWER (dBm)	28	26	23	23	28	28 + 28	28 + 28	28 + 19
ANTENNA	Internal 10dBi	Internal 14dBi	Internal 7dBi	Internal 8dBi	1 x N-Type	2 x N-Type	2 x N-Type	2 x N-Type
POWER SUPPLY	24V/0.6A	24V/1A	24V/0.6A	24V/0.6A	24V/0.6A	48V/0.38A	48V/0.38A	48V/0.38A
PoE	Proprietary	Proprietary	Proprietary	Proprietary	Proprietary	Proprietary	Proprietary	Proprietary
WATERPROOF	IP55	IP55	Proprietary	Proprietary	IP65	IP65	IP68	IP65

Business Indoor & Mesh Solution Comparison Chart

	INDOOR HIGH POWER AP/CB		INDOOR AP/CB		INDOOR ENTERPRISE AP		MESH AP	
	ECB3500	ECB9500	ECB7510	EAP9550	EAP-3660	M35	M36	
PRODUCT PICTURE								
STANDARD	B/G	B/G/N	A/B/G/N	B/G/N	B/G	B/G	B/G	
WiFi DATA RATE (Mbps)	108	300	300 + 300	108	108	108	108	
LAN INTERFACE	1	1	1	1	1	1	1	
WAN INTERFACE								
MAX. TX POWER (dBm)	28	19	15	28	28	28	28	
ANTENNA	5dBi x 2 External TNC	5dBi x 3 External TNC	2.4G/5G (3dBi/5dBi) Dual Band Antenna	Internal 5dBi	Internal 5dBi	5dBi x 2 External TNC	Internal 5dBi	
POWER SUPPLY	12V/1A	12V/1A	12V/1A	12V/1A	12V/1A	12V/1A	12V/1A	
PoE	802.3af	802.3Gaf	802.3af/at	802.3af	802.3af	802.3 af	802.3 af	
HIGH POWER	Y			Y	Y	Y	Y	
OSIR						Y	Y	


11N Outdoor Solution Comparison Chart

	ENH200	ENH202	ENH500	ENH210	ENH210 EXT
PRODUCT PICTURE					
STANDARD	B/G/N	B/G/N	A/N	B/G/N	B/G/N
WIFI DATA RATE (Mbps)	150	300	300	300	300
LAN INTERFACE	2	2	2	2 x Gigabit	2 x Gigabit
MAX. TX POWER (dBm)	28	28	28	28	28
EXTERNAL RF CONNECTOR					2 x N-Type
ANTENNA	Internal 10dBI	Internal 10dBI	Internal 13dBI	Internal 14dBI	
POWER SUPPLY	24V/1A	24V/1A	24V/1A	48V	48V
PoE	Proprietary	Proprietary	Proprietary	802.3af/at	Proprietary
WATERPROOF	IP55	IP55	IP55	IP67	IP67

Wireless Adapter Comparison Chart

PRODUCT PICTURE	WIRELESS DONGLE			HIGH POWER		
	EUB-9701 EXT2 2.4GHz, 802.11b/g/n	EUB-9706 2.4GHz, 802.11b/g/n	EUB-9707 2.4GHz, 802.11b/g/n	EUB-9801 2.4GHz & 5GHz, 802.11a/b/g/n	EUB9603 EXT 2.4GHz, 802.11b/g/n	EUB9603H 2.4GHz, 802.11b/g/n
DUAL BAND				Y		
WIFI DATA RATE (Mbps)	300	300	150	300	150	150
WMM	Y	Y	Y	Y	Y	Y
WPA/WPA2	Y	Y	Y	Y	Y	Y
WEP64/128	Y	Y	Y	Y	Y	Y
802.1x	Y	Y	Y	Y	Y	Y
WPS BUTTON		Y	Y	Y		
ANTENNA CONFIGURATION	2 x 2dBi External	2T x 2R mode	1T x 1R mode	2T x 2R mode	1 x 2dBi External	1 x 5dBi External
SUPPORTED DRIVERS						
WINDOWS 2000	Y	Y	Y	Y	Y	Y
WINDOWS XP	Y	Y	Y	Y	Y	Y
WINDOWS VISTA 32-BIT	Y	Y	Y	Y	Y	Y
WINDOWS VISTA 64-BIT	Y	Y	Y	Y	Y	Y
WINDOWS 7	Y	Y	Y	Y	Y	Y
MAC OSX	Y	Y	Y	Y	Y	Y

Wireless 3G Router Comparison Chart

		3G ROUTER			
		ESR6650 2.4GHz, 802.11b/g/n	ESR6670 2.4GHz, 802.11b/g/n	ETR9350 2.4GHz, 802.11b/g/n	ETR9360 2.4GHz, 802.11b/g/n
PRODUCT PICTURE					
WI-FI DATA RATE (Mbps)		150	300	300	150
3G		Y	Y	Y	Y
LAN INTERFACE		2*10/100Mbps	2*10/100Mbps	Share WAN Port	Share WAN Port
WAN INTERFACE		1*10/100Mbps	1*10/100Mbps	1*10/100Mbps	1*10/100Mbps
MEMORY		32MB SDRAM	32MB SDRAM	32MB SDRAM	32MB SDRAM
FLASH		4MB	4MB	4MB	4MB
ANTENNA		1*Dipole external Antenna; 2dBi	2*Dipole external Antenna; 2dBi	2dBi PCB Antenna x 2	2dBi PCB Antenna x 1
SOFTWARE FEATURES					
OPERATION MODE		AP/ROUTER/WDS	AP/ROUTER/WDS	AP/ROUTER/CB	AP/ROUTER/CB
POWER SUPPLY		12V/1.25A switching	12V/1.25A switching	Internal Power	Battery/Adapler 5V2A
USB PORT		N.A	N.A	3G	3G
POE		N.A	N.A	N.A	N.A
DHCP	SERVER	Y	Y	Y	Y
	CLIENT	Y	Y	Y	Y
STATIC IP		Y	Y	Y	Y
UPnP		Y	Y	Y	Y
DNS/DDNS		Y	Y	Y	Y
DNS RELAY		Y	Y	Y	Y
PPTP		Y	Y	Y	Y
PPPoE		Y	Y	Y	Y
STATIC ROUTING TABLE		Y	Y	Y	Y
DYNAMIC ROUTE		Y	Y	Y	Y
PORT FORWARDING		Y	Y	Y	Y
PORT TRIGGERING		Y	Y	Y	Y
PORT MAPPING		Y	Y	Y	Y
MAC FILTERING		Y	Y	Y	Y
ALG SUPPORT		Y	Y	Y	Y
QOS		Y	Y	Y	Y
ICMP BLOCKING		Y	Y	Y	Y
MEDIA SESSION		N.A	N.A	N.A	N.A
DoS PROTECTION		Y	Y	Y	Y
POWER SAVING ENERGY		Y	Y	Y	Y
MSSID		Y	Y	Y	Y
OUTPUT POWER CONTROL		Y	Y	Y	Y
MAC ADDRESS FILTER		Y	Y	Y	Y
IP ADDRESS FILTER		Y	Y	Y	Y
BACKUP/RESTORE		Y	Y	Y	Y

Wireless-N Router Comparison Chart

		N ROUTER			
		ESR-9752 2.4GHz, 802.11b/g/n	ESR-9753 2.4GHz, 802.11b/g/n	ESR1221N 2.4GHz, 802.11b/g/n	ESR1221N2 2.4GHz, 802.11b/g/n
PRODUCT PICTURE					
WI-FI DATA RATE (Mbps)		300	150	150	300
3G		N.A	N.A	N.A	N.A
LAN INTERFACE		4*10/100Mbps	4*10/100Mbps	4*10/100Mbps	4*10/100Mbps
WAN INTERFACE		1*10/100Mbps	1*10/100Mbps	1*10/100Mbps	1*10/100Mbps
MEMORY		32MB SDRAM	16MB SDRAM	16MB SDRAM	16MB SDRAM
FLASH		4MB	4MB	2MB	2MB
ANTENNA		2*Dipole external Antenna; 2dBi	1*Dipole external Antenna; 2dBi	1*Dipole fixed antenna; 2dBi	2*Dipole fixed antenna; 2dBi
SOFTWARE FEATURES					
OPERATION MODE		AP/ROUTER/WDS/Repeater	AP/ROUTER/WDS/Repeater	AP/ROUTER/WDS	AP/ROUTER/WDS
POWER SUPPLY		12V/1A switching	12V/1A switching	5V1A Switching	5V1A Switching
USB PORT		N.A	N.A	N.A	N.A
POE		N.A	N.A	N.A	N.A
DHCP	SERVER	Y	Y	Y	Y
	CLIENT	Y	Y	Y	Y
STATIC IP		Y	Y	Y	Y
UPnP		Y	Y	Y	Y
DNS/DDNS		Y	Y	Y	Y
DNS RELAY		Y	Y	Y	Y
PPTP		Y	Y	Y	Y
PPPoE		Y	Y	Y	Y
STATIC ROUTING TABLE		Y	Y	Y	Y
DYNAMIC ROUTE		Y	Y	Y	Y
PORT FORWARDING		Y	Y	Y	Y
PORT TRIGGERING		Y	Y	Y	Y
PORT MAPPING		Y	Y	Y	Y
MAC FILTERING		Y	Y	Y	Y
ALG SUPPORT		Y	Y	Y	Y
QOS		Y	Y	Y	Y
ICMP BLOCKING		Y	Y	Y	Y
MEDIA SESSION		30000	N.A	N.A	N.A
DoS PROTECTION		Y	Y	Y	Y
POWER SAVING ENERGY		Y	Y	Y	Y
MSSID		Y	Y	Y	Y
OUTPUT POWER CONTROL		Y	Y	Y	Y
MAC ADDRESS FILTER		Y	Y	Y	Y
IP ADDRESS FILTER		Y	Y	Y	Y
BACKUP/RESTORE		Y	Y	Y	Y

Repeater & Gigabit Series Router Comparison Chart

	REPEATER		GIGABIT SERIES	
	ERB9250 2.4GHz, 802.11b/g/n	ERB9260 2.4GHz, 802.11b/g/n	ESR9850 2.4GHz, 802.11b/g/n	ESR9855G 2.4GHz, 802.11b/g/n
PRODUCT PICTURE		 COMING SOON		
WI-FI DATA RATE (Mbps)	300	300	300	300
3G	N.A	N.A	N.A	N.A
LAN INTERFACE	4*10/100Mbps	Share WAN Port	4*10/100/1000Mbps	4*10/100/1000Mbps
WAN INTERFACE	1*10/100Mbps	1*10/100Mbps	1*10/100/1000Mbps	1*10/100/1000Mbps
MEMORY	32MB SDRAM	32MB SDRAM	32MB SDRAM	64MB DDR
FLASH	4MB	4MB	4MB	8MB
ANTENNA	2*Dipole external Antenna; 2dBi	Internal Antenna x 2; 2dBi	2*Dipole external Antenna; 2dBi	2*Dipole external Antenna; 2dBi
SOFTWARE FEATURES				
OPERATION MODE	Repeater & Client Router	Repeater	AP/ROUTER/Repeater/WDS AP	AP/ROUTER/WDS
POWER SUPPLY	12V/1A switching	12V/1A switching	12V/1A Switching	12V/1.25A
USB PORT	N.A	N.A	N.A	N.A
POE	N.A	N.A	N.A	N.A
DHCP	SERVER	Y	Y	Y
	CLIENT	Y	Y	Y
STATIC IP	Y	Y	Y	Y
UPnP	Y	Y	Y	Y
DNS/DDNS	Y	N	Y	Y
DNS RELAY	Y	N	Y	Y
PPTP	Y	N	Y	Y
PPPoE	Y	N	Y	Y
STATIC ROUTING TABLE	Y	N	Y	Y
DYNAMIC ROUTE	Y	N	Y	Y
PORT FORWARDING	Y	N	Y	Y
PORT TRIGGERING	Y	N	Y	Y
PORT MAPPING	Y	N	Y	Y
MAC FILTERING	Y	N	Y	Y
ALG SUPPORT	Y	N	Y	Y
QOS	Y	N	Y	Y
ICMP BLOCKING	Y	N	Y	Y
MEDIA SESSION	N.A	N.A	50000	35000
DoS PROTECTION	Y	N	Y	Y
POWER SAVING ENERGY	Y	N	Y	Y
MSSID	N	N	Y	N.A
OUTPUT POWER CONTROL	Y	Y	Y	N.A
MAC ADDRESS FILTER	Y	Y	Y	Y
IP ADDRESS FILTER	Y	Y	Y	Y
BACKUP/RESTORE	Y	Y	Y	Y

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To learn more about EnGenius products,
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