

EnGenius SOHO Range





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Data Communications

Broadband Router



11b/g/n Broadband Router

WLAN Client: USB Adapter & PCI Adapter







11a/b/g PCI Adapter







11n USB Adapter

Gigabit Ethernet





5/8 Port Gigabit Switch



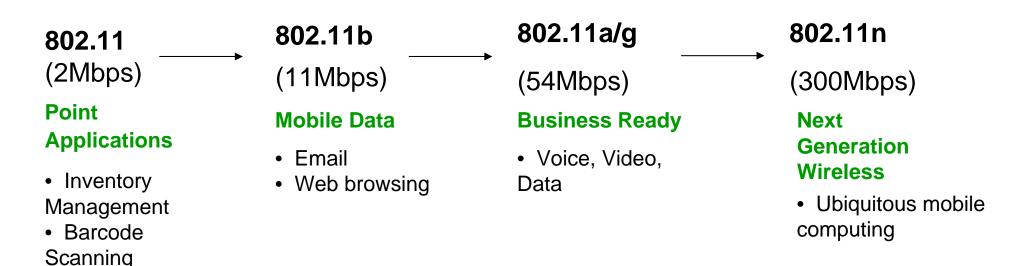
5 Port Switch (w/PoE)





Wireless has become Business Oxygen

- Business applications have gone mobile
- Wireless is evolving to meet needs for high performance, pervasive connectivity







What does 802.11n deliver?

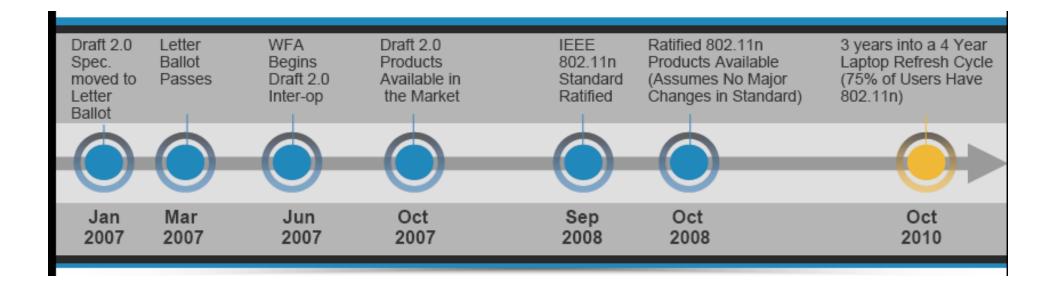
Better end-user experience for data, voice and video

- Throughput Up to 5 times greater than existing networks
- Reliability Fewer packet retries
- Predictability Consistent coverage and throughput
- Compatibility Backwards support for 802.11a/b/g clients





802.11n Standard Update







Primary 802.11n Components:

Multiple Input Multiple Output (MIMO)

Beam Forming Spatial multiplexing

- Channel Bonding
- Packet Aggregation





Greater reliability

- MIMO has able to communicate over multiple antennae eliminate dead spots
- Maintain optimal performance at greater distances

Greater throughput

 Combination of MIMO, channel bonding and packet aggregation allow 802.11n networks to achieve data rates as high as 300Mbps per radio

Greater coverage predictability

802.11n networks can support more clients using high-bandwidth applications





Backward compatibility with Existing Platforms

- 802.11n networks able to backward compatible with clients built under previous 802.11a/b/g wireless standards
- 802.11n Access Points will interoperate easily in mixed environments
- 802.11n can incorporate 802.11a/g clients with minimal performance loss





Why choose EnGenius 802.11n products?

- Compatible to 802.11n draft 2.0 standard.
- Fully interoperable with IEEE 802.11b/g/n devices.
- High Speed Data Rate Up to 300Mbps.
- Advanced Security Features.
- Easy Configuration.
- Universal Plug and Play.





Wireless-N Router

- Fully interoperable with IEEE 802.11b/g/n devices.
- •Complies with IEEE draft 802.11n standards.
- •Built-in 4-ports 10/100/1000Mbps *Gigabit Switch*
- High Speed Data Rate up to 300Mbps.
- Firewall support Virtual Server Mapping, DMZ, IP Filter, ICMP Blocking and SPI
- Advanced security feature that support 802.1x authenticator
- VPN pass through.
- •QoS function that support WMM with Wireless Intelligent Wireless Stream Handling
- •Wi-Fi Protection Setup (WPS)



ESR-9710





Wireless-N USB Adapter

- *High speed* up to 300Mbps data rate.
- •Complies with IEEE draft 802.11n standards.
- •Capable of *handling heavy data* payloads such as MPEG video streaming, on-line gaming,..etc
- Support Wireless Multimedia
 Enhancements Quality of Service (QoS)
- Detachable Antenna design that enable flexible deployment.
- Advanced security features such as WPA/WPA2 and WEP 64/128.



EUB-9701 EXT2





Wireless-N USB Dongle

- High speed up to 300Mbps data rate.
- Complies with IEEE draft 802.11n standards.
- Advanced Power Management.
- •Support *Wireless Multimedia* Enhancements Quality of Service (QoS)
- Advanced security features such as WPA/WPA2 and WEP 64/128.
- •EUB-9701 (2T X 2R Radios)
- •EUB-9702 (1T X 2R Radios)



EUB-9702



EUB-9701





Wireless Broadband Router

- Fully interoperable with IEEE 802.11b/g devices.
- •Built-in 4-ports 10/100Mbps **Switch**.
- Firewall with Stateful Packet Inspection.
- Advanced security features that support 802.1x authenticator.
- •Support WEP/WPA/WPA2
- Hide SSID
- Denial of Service (DOS) Protection.



ESR-1220





Wireless USB Adapter

- •Compatible to **IEEE 802.11b/g** (EUB-362EXT) **IEEE 802.11a/b/g** standards (EUB-862EXT).
- High Speed Data Rate up to 108Mbps in Super G mode.
- Powerful data security such as AES, TKIP, WEP and WPA.
- Advanced security features that support 802.1x authenticator.
- •Support 802.11e which is critical importance for applications such as VoIP, Streaming Multimedia.
- Support eXtended Range technology.
- Detachable Antenna design that enable flexible deployment.



EUB-362 EXT



EUB-862 EXT2





Wireless USB Dongle

- •Compatible to IEEE 802.11b/g (EUB-3701) and IEEE 802.11a/b/g (EUB-8301) standards.
- Powerful data security such as AES, TKIP, WEP and WPA.
- •Support 802.11e which is critical importance for applications such as VoIP, Streaming Multimedia.
- Light Weight & Low Power consumption
- Easy configuration
- •Support *USB 2.0 / 1.1*



EUB-3701 / EUB-8301





Wireless PCI Adapter

- Compatible to IEEE 802.11b/g standards.
- High Speed Data Rate up to 108Mbps in Super G mode.
- •Support *Enhanced Security Features* such as AES, TKIP, WEP and WPA.
- •Support 802.11e which is critical importance for applications such as VoIP, Streaming Multimedia.
- Excellent Range Coverage up to 1500 metres.



EPI-3601S





Gigabit (10/100/1000Mbps) Switch

- Available as 5-Port / 8-Port Switch.
- •Excellent Switching Architecture.
- •Support cascading for scalable capacity expansion.
- •Support 802.3x Flow Control to minimise dropped packets.
- •Support 802.1P which is critical importance for VoIP, Video Streaming,..etc



ESG-8805 / ESG-8808





5-Port Desktop (10/100Mbps) Switch with 1 PoE Port

- •Support for *Auto-MDI/MDI-X* on all ports.
- •Provide power to *PoE-enabled devices* such as Wireless Access Point, IP Phones and IP Camera.
- Light Weight and Compact.
- •No configuration required.
- •Compatible to *IEEE 802.3af* standard.



EPE-6818af





Q & A



