



EDIMAX

EW-7416APn

Wireless 802.11n Access Point



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Acting as a bridge between the wired Ethernet and the 2.4GHz wireless IEEE 802.11b/g/n, this wireless access point lets your wireless client stations access both the wired and the wireless network nodes.

Universal Repeater Mode

The Universal Repeater function can extend the coverage and signal strength for the current wireless environment. It is compatible with other wireless APs and Routers. Users can use this feature to build up a large wireless network in a huge space like airports, hotels and schools...etc.

Robust Wireless Security with WPA and WPA2

Beside the basic security control by ESSID and 64/128 bit key length WEP encryption, this access point also supports the advanced security features, like MAC access control, IEEE 802.1x authentication, TKIP, AES and hidden ESSID. It provides a total solution for you to build up a secure wireless network environment that can prevent from hacker intrusion.

Web Configuration

You can configure this access point through the friendly Web user interface with a browser.

FEATURES AND TECHNICAL SPECIFICATIONS

- Complies with the IEEE 802.11b/g and IEEE802.11n standards.
- Supports 2.400~2.4835GHz frequency band.
- High data rate up to 300Mbps network speed.
- Auto rate fallback in case of obstacles or interferences.
- Supports point-to-point and point-to-multi point bridge function.
- Supports WDS (Wireless Distributed System) repeater mode.
- Supports Universal Repeater mode.
- Supports AP Client mode.
- Supports four sets of ESSID to group the different wireless networks.
- Supports roaming link integrity.
- Provides 64/128 bit key length WEP data encryption.
- Supports WPA, WPA2 security enhanced function (pre-shared key, 802.1x, TKIP, AES ...).
- Supports WPS (Wi-Fi Protected Setup) function.
- Provides MAC access control.
- Provides hidden SSID function.
- Supports Web-based configuration.
- Firmware upgradeable via Web browser.

| Hardware Interface | SoC & Wireless Module | POWER ADAPTER |
|---|--|--|
| <ul style="list-style-type: none"> • 2x3dBi Dipole Antenna • Reset/WPS button • LED indicators: Power, WLAN, WAN | <ul style="list-style-type: none"> • SoC: Ralink RT2880 • Ralink RT2880 + RT2820 | <ul style="list-style-type: none"> • 12VDC, 1A |
| OUTPUT POWER | INSTALLATION | MEMORY |
| <ul style="list-style-type: none"> • 11n:15dBm ± 1dBm, 11g:15dBm ± 1dBm, 11b:17 ± 1dBm | <ul style="list-style-type: none"> • Quick installation Guide | <ul style="list-style-type: none"> • 4 MB Flash • 16 MB SDRAM |
| SECURITY | LAN PORT | HUMIDITY & TEMPERATURE |
| <ul style="list-style-type: none"> • 64/128-bit WEP, WPA and WPA2 • MAC Filter | <ul style="list-style-type: none"> • 10/100M UTP Port x 1 | <ul style="list-style-type: none"> • Max. 10~90% (Non Condensing) • 10 ~40°C |

NETWORK SETUP DIAGRAM AND RELATED PRODUCTS

| SYSTEM REQUIREMENTS | DIMENSION | CERTIFICATIONS |
|--|---|---|
| <ul style="list-style-type: none"> • Windows 95/98/ME/2000/XP/Vista | <ul style="list-style-type: none"> • 30(H) x 127(W) x 96(D) mm | <ul style="list-style-type: none"> • CE, FCC |

An example of how the EW-7416APn can be setup:

- Connect the access point to ADSL modem, router, or switch/hub in your network through the LAN port of the access point by Ethernet cable.
- Connect a computer to the LAN port and follow the quick installation guide to configure the advanced setting of Access point .
- Connect wireless devices to EW-7416APn

