



300Mbps transfer speed



Equipped with powerful power amplifier



Toggle signal and LEDs, reducing power consumption



Easy browser-based setup, no CD required

EW-7428HCn

N300 High Power Ceiling Mount Wireless Range Extender/Access Point

300Mbps Max. Wi-Fi Speed

This Edimax wireless access point is a high-speed solution that complies with IEEE 802.11b/g/n standards. The latest wireless MIMO (multiple-input and multiple-output) technology is built into this access point to broaden its Wi-Fi coverage and to eliminate dead spots within the signal range. When it is connected to IEEE 802.11n wireless devices, this Edimax wireless access point can reach Wi-Fi speeds of up to 300Mbps.

WDS Bridge Mode (Repeater Mode)

The WDS (Wireless Distributed System) function let this access point acts as a wireless LAN access point and repeater at the same time. Users can use this feature to build up a large wireless network in a large space like airports, hotels and schools. This feature is also useful when users want to bridge networks between buildings when it is impossible to deploy network cable connections between these buildings.

Wi-Fi Protected Setup (WPS) Button

The Edimax EW-7428HCn features a convenient WPS button. Users can set up an encrypted wireless connection simply by pressing the WPS button on this access point and the client device. This one-press WPS button helps users set up a secure wireless network in less than a minute.

Optional Power Supply

The Edimax EW-7428HCn integrates a PoE PD module, and also provides a power jack for a regular power adapter. Users can connect the access point to either a PoE Switch or a power adapter for the power supply.

Designed with the Latest Green WLAN Technology

With the latest green WLAN technology, the EW-7428HCn is able to dynamically adjust its power supply according to the amount of network activity. By supplying only the amount of power needed, this router allows for high networking performance while maintaining minimum power consumption.

FEATURES & TECHNICAL SPECIFICATIONS

- 600mW high power output for superior wireless performance*
- Supports IEEE 802.3af PoE (Power over Ethernet) and alternative external power adapter
- iQ Setup for automatic and smart setup
- Multiple operation modes including AP, WDS Point to Point, WDS Point to multiple points, and repeater
- Up to 5 SSIDs, making it possible to divide clients into different wireless groups with different wireless security settings
- Scheduling to turn LED and wireless on and off, to reduce power consumption
- Suitable for home, SOHO, and SMB environments
- Enhanced wireless coverage up to 10,000 square meters**

Hardware	Standards	Frequency Band
<ul style="list-style-type: none"> • 1 x 10/100Mbps LAN port • 1 x WPS button • 1 x Power jack • 2 x Internal antenna 	<ul style="list-style-type: none"> • IEEE 802.11b • IEEE 802.11g • IEEE 802.11n • IEEE 802.3af 	<ul style="list-style-type: none"> • 2.40 - 2.4835GHz (subject to local regulations)
Data Rates	Output Power	Security
<ul style="list-style-type: none"> • 11b: 1/2/5.5/11Mbps • 11g: 6/9/12/24/36/48/54Mbps • 11n (20MHz): MCS0-7, up to 144Mbps • 11n (40MHz): MCS0-7, up to 300Mbps 	<ul style="list-style-type: none"> • 11b@11Mbps: 26+/-1.5dBm • 11g@54Mbps: 24+/-1.5dBm • 11n (20MHz)@MCS15: 23+/-1.5dBm • 11n (40MHz)@MCS15: 23+/-1.5dBm <p>(power is limited to 20dBm in Europe due to CE regulations)</p>	<ul style="list-style-type: none"> • WEP encryption 64/128 bit • WPA pre-shared key (WPA-TKIP, WPA2-AES, WPA/WPA2 mixed) • WPA radius • 802.1x authentication • Hidden SSID • Multiple SSIDs, up to 5 sets with wireless group and security • AP isolation • MAC address filtering
Scheduling	QoS	Configuration
<ul style="list-style-type: none"> • LED on / off • Wireless radio on / off • Self reboot 	<ul style="list-style-type: none"> • WMM 	<ul style="list-style-type: none"> • Browser-based configuration interface • Telnet
Power	Dimensions	Certifications
<ul style="list-style-type: none"> • 5V DC / 2A • PoE (Power over Ethernet) 	<ul style="list-style-type: none"> • 46 (H) x 105 (W) x 105 (L) mm 	<ul style="list-style-type: none"> • FCC, CE



NETWORK SETUP DIAGRAM

- Connect the access point to the root router with iQ Setup
- Get high quality Wi-Fi throughout your home/office

*Power is limited up to 20dBm in Europe due to CE regulations

**Wireless coverage is based on independent test results. Actual coverage may vary due to environmental factors such as wireless interference, building materials, and other obstructions

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RELATED PRODUCTS

PoE Switches



ES-5804PH
5-Port Fast Ethernet Switch
with 4 PoE Ports (40W)



ES-1008PH
8-Port Fast Ethernet Switch
with 4 PoE Ports (80W)



ES-5816P
16-Port Fast Ethernet PoE
Web Smart Switch (250W)



ES-5824P
24-Port Fast Ethernet PoE
Web Smart Switch with 2 Gigabit
Combo Ports (390W)

Network Cameras



IC-3100P
1.3Mpx PoE H.264
Network Camera



IC-3110P
1.3Mpx PoE H.264 Day & Night
Network Camera



IC-7100P
1.3Mpx PoE H.264
PT Network Camera



IC-7110P
1.3Mpx PoE H.264 Day & Night
PT Network Camera