





Thank you for purchasing Edimax EW-7428HCn High Power Ceiling Mount Wireless PoE Range Extender / Access Point. This guide will help you setup EW-7428HCn as a range extender of your existing Wi-Fi network.

The screen images used in this guide are from a Windows 8 computer. They could be different with the screen images in your computer if you use other Windows version in your computer.

Hardware Setup:

1. Carefully remove the back panel cover by twisting it counter-clockwise. This enables easier access to the LAN port and the power adapter.

2. Plug one end of an Ethernet cable into Ethernet port of EW-7428HCn. Plug the other end into your computer's Ethernet port.



3. Plug the power adapter into a wall socket, then connect it to the 5V DC power port in EW-7428HCn.

4. The device will begin to initialize. After 30 seconds, the power LED will turn on, which indicates the device has completed its initialization.

5. Power on your computer.

For Windows 8 or Windows 7 computers:

Go to <u>Control Panel</u>. Go to <u>Network and Internet</u>. Go to <u>Network and Sharing Center</u>. Click on <u>Change</u> <u>Adapter Settings</u> on the left menu. You are in "Network Connections" window.

For Windows Vista computer:

Go to <u>Control Panel</u>. Go to <u>Network and Internet</u>. Go to <u>Network and Sharing Center</u>. Click on <u>Manage</u> <u>Network Connections</u> on the left menu. You are in "Network Connections" window.

For Windows XP computer:

Click on <u>Start</u> menu button. Click on <u>Run</u>. Type in "ncpa.cpl" hit Enter. You are in "Network Connections" window.

If you see <u>Wireless Network Connection</u> (called <u>Wi-Fi</u> in Windows 8), then your computer is WiFi capable and you need to temporarily disable it. Right click on <u>Wireless Network Connection</u> icon and click on "Disable".



6. Left click twice on <u>Local Area Connection</u> icon (called <u>Ethernet</u> icon in Windows 8) to get into Local Area Connection Status window.

For **Windows 8/ Windows 7/ Windows Vista** computer: Click on <u>Details</u> button. Verify the IPv4 address. The IPv4 address should be 192.168.2.10x. IPv4 Default Gateway should be 192.168.2.2. Click on <u>Close</u>. Click on <u>Close</u> again.



For Windows XP computer: Click on Support tab. The IP Address should be 192.168.2.10x. Click on Close.

Keep the Network Connections Window open. Later after the setup is completed, you may need to come back and enable Wireless Network Connection.



Configuration Setup:

Enclosed in the product box please find an Access Key card, containing a URL to access the device's browserbased configuration interface, similar to the example below.

	NETWORKING PEOPLE TOGETHER
Access Key	
EW-7428HCn N300 Hig	h Power Wireless Ceiling Mount Range Extender/Access Point
Web browser access:	Wi-Fi Client access:
http://edimax******	····· Device-Name (SSID): Edimax
or http://192.168.2.2	Security Key:-
User Name: admin	WPS-PIN-CODE:
Password: 1234	
the second se	a courd for future une

1. Open your web browser like Internet Explorer and type your Access Key into the <u>Address</u> box of the browser.

<u>F</u> ile <u>E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmar	ks <u>T</u> ools <u>H</u> elp	
🗌 New Tab	+	This is Search Box
🔶 🕘 http://edimax52819d 🛛 <	<this address="" box="" is="">></this>	▼ → 🖁 - Googe 🛛 🔎 🏫

If the address does not work, you can type in <u>http://192.168.2.2</u> instead.

æ	Ð	🥖 htt	p://192.168.2	2.2		5 - 0	2 →	<i>e</i> iQ Setup
<u>F</u> ile	<u>E</u> dit	View	F <u>a</u> vorites	<u>T</u> ools	<u>H</u> elp			

Enter the default username as admin. The default password is 1234. Click on OK or Login button.



2. You are in the setup page of EW-7428HCn.

There are three selections: Access Point Mode, Universal WiFi-Extender Mode, and Wireless Client Mode.

File Edit View Favorites Tools Help	Setup × wr 24 %
	English Home
iQ Setup	
Please select the operation mod	e of your device.
Diener ADS. Role	Access Point Mode: Allows wireless clients to connect to access point and exchange data with the devices which are connected to the wired network.
Acta Racker	Universal WLFI Extender Mode: Connect to a Root AP and service all wireless clients within its coverage.
	Wireless Client Mode: Enable the Ethernet device such as TV and Game player connected to the access point to a wireless client.

Click on the Universal Wi-Fi Extender mode.

3. You will see the **iQ Setup** screen, as shown below. All available Wi-Fi networks will be listed. Please select the Wi-Fi network you would like extender to connect to. In the following example, the name of the main Wi-Fi network is called "HomeNetwork".

		iQ Setup			
	Please connect this	device to one of the follo	owing Wi-Fi ne	tworks.	
Select	SSID	Channel	Encry	yption	Signal
۲	HomeNetwork	1	WPA	2-PSK	91
	Device Name:	HomeNetwork52819D			
	Password:				

After you select your main WiFi network, it appears two new boxes. The Device Name will be the network name of the extender. By default, we use the name of your main WiFi network and plus the last 6 characters from the hardware address of the extender. You may edit the box and assign a different Device SSID to identify your extender. In the following screen we input "HomeNetwork-extender" in Device Name field.

	Please connect this o	device to one of the follow	ving Wi-Fi networks.	
Select	SSID	Channel	Encryption	Signal
۲	HomeNetwork	1	WPA2-PSK	91
	Device Name:	HomeNetwork-extender		
	Password:			

If your main Wi-Fi network requires a security key, enter the same wireless security key in the Password box. If you are not sure the correct wireless security key, you may find it out from the security settings of your WiFi router.

4. Do not mark the boxes of "Setup Manually" and "Hide device SSID".

Setup extender manually		
Hide device SSID		
Add the URL to your bookmark(my favorite	e list): http://edimax52819d Save	
(we recommend you to save it for quick ac	cess to the Web setting page next time,	_
(Supports IE and Firefox only. Please add other browsers)	the access key to the bookmark manuall	y if you use
	Refresh NEXT	

If your web browser is IE or Firefox, you can keep the "Save" option. If you use other web browser, choose "Do Not Save" option. Click <u>NEXT</u> to continue. Internet Explorer or Firefox will ask to confirm if you wish to add **EW-7428HCn Control Panel** Address to your bookmarks. We recommend that you do so for future use.

	Add a Favorite	×
\bigstar	Add a Favorite Add this webpage as a favorite. To access your favorites, visit the Favorites Center.	
<u>N</u> ame:	EW-7428HCn Control Panel (edimax52819d)	
Create in:	☆ Favorites ∨ New folder	
	Add Cancel	

5. Connection test begins.

Connection T	est		
13%			

6. If you entered a correct WiFi Security key of your network, the connection test should be successful.

Connection Successfully
NEXT

Click on <u>Next</u>.

7. Click on <u>Apply</u> to save settings and reboot.

Settings sav	ed successfully!
Please click APPL	Y to restart the system and make the changes take effect.
Connected Dev	ice Name : HomeNetwork
Device Name :	HomeNetwork-extender
Security Type :	WPA-shared key
Back	APPLY

8. Wait for a few seconds for the extender to reboot.

System restarting. Please wait for a moment.
3%

9. The final web page appeared.

Congratulation! Your device is connected.	
Device Name : HomeNetwork-extender	
Security Key : << your network security key >>	

Final Step:

1. .Remove the <u>http://extenderxxxx</u> address and type in a preferred web site address to see if your Ethernet computer has Internet.

E http://www.google.com/				5 - Q		
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2. If you can access Internet, the extender is successfully connect to your main Wifi network. You can move the EW7428HCn extender to the desired location.

If your computer is WiFi capable and you have disabled the Wireless network connection:

Enable the Wireless network connection.
 Right click on Wireless Network Connection and click on "Enable".



- 2. Disconnect Ethernet cable from your computer. The Local Area Connection shows red X.
- 3. Right click on Wireless Network Connection and click on "Connect/Disconnect".

(→ ↑ I → Control Panel → Network and I	nternet 🔸 Network Connections
File Edit View Tools Advanced Help	
Organize Connect To Disable this network d	evice Diagnose this connection Re
Ethernet	Wi-Fi
Network cable upplugged	Edina auto anna E
Realtek PCIe GBE Family Controller	R 😨 Disable
••	Connect / Disconnect
	Canadana
	Status
	Diagnose

It lists all wireless network connections.
 Select the extender connection. Click on Connect. Enter the same WiFi security password of your network.

HomeNetwork-extender	llı.
EdimaxCorp8DCD88	al
Edimax test	atl
DIRECT-iLSCX-3400	atl
HomeNetwork	atl

5. Open web browser to make your wireless computer can get on Internet through the extender.

Network Connecti	ns Networks					
File Edit View Tools Advanced Help Wi-Fi						
Organize Connect To Disable this network device Diagnose this con	inection Rename					
Ethernet Wi-Fi	HomeNetwork-ext Connected					
Realtek PCIe GBE Family Controller Ralink RT5390R 802.11bgn	Wi-Fi EdimaxCorp					

Congratulation, the configuration is completed.

