PRODUCT INTRODUCTION

Thank you for purchasing the Edimax EW-7428HCn N300 High Power Wireless Ceiling Mount Range Extender/Access Point! This device is an ideal choice for users looking to expand their home or office networking environment. Its easy installation procedure also allows any computer user to set up a network environment in a matter of minutes.

Package Contents

Before you start using this device, please check if there is anything missing in the package, and contact your dealer to claim the missing item(s):

- Ceiling mount range extender/access point (1 pcs)
- Quick installation guide (1 pcs)
- CD with multi-language QIG and user manual (1 pcs)
- Power adapter (1 pcs)
- Ethernet cable (1 pcs)
- Mounting kit (1 pcs)
- Access key card (1 pcs)

Physical Description

Front Panel

<table>
<thead>
<tr>
<th>LED</th>
<th>Light Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)Power</td>
<td>On</td>
<td>Device correctly powered and initialized</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td>Device not powered or not correctly powered, or device not yet initialized</td>
</tr>
<tr>
<td>Item</td>
<td>Function</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>----------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>(2)Wi-Fi</td>
<td>On</td>
<td>WPS is activated and the device is waiting for a WPS signal from another device</td>
</tr>
<tr>
<td></td>
<td>Flashing</td>
<td>Wi-Fi activity (transferring data)</td>
</tr>
<tr>
<td>(3)LAN</td>
<td>On</td>
<td>Connected to a local area network</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td>Not connected to a local area network</td>
</tr>
<tr>
<td></td>
<td>Flashing</td>
<td>LAN activity (transferring data)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(4)Reset/WPS</td>
<td>WPS</td>
<td>Press and hold this button for 2 seconds to activate WPS mode, during which this device will attempt to automatically connect to a WPS-enabled client device.</td>
</tr>
<tr>
<td></td>
<td>Reset</td>
<td>To reset the device to factory default settings, press and hold the button for 10 seconds, until the Power LED starts flashing. Release the button to initiate reset procedures.</td>
</tr>
</tbody>
</table>

**Note:** Please note that the hardware WPS button only works when connecting to wireless clients. It will have no effect when the device itself is in Wireless Client Mode.

**Back Panel**

<table>
<thead>
<tr>
<th>Item Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(5) LAN Port</td>
<td>Connects to an Ethernet cable. This device is capable of Power over Ethernet (PoE), so if the cable is connected to a PoE switch, then this device will be powered by the Ethernet cable alone.</td>
</tr>
<tr>
<td>(6) 5V DC</td>
<td>Connects to the power adapter.</td>
</tr>
</tbody>
</table>

**Note:** Please do not connect the power adapter if the device is already connected to a PoE switch via the LAN port.
GETTING STARTED

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 the device’s Ethernet port, 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.

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

   Note: Make sure that your computer is set as a DHCP client. If you are unsure, please see the user manual on the enclosed CD for more information.

5. Enclosed in the product box is an Access Key card, containing a URL to access the device’s browser-based configuration interface, similar to the example below.
Note: The URL on your card will likely differ from the example shown in this guide. Please enter the URL you see on your card, and not the URL used in the examples here.

6. Open a web browser. **For Windows users**, enter the access key or default IP address (http://192.168.2.2) into the browser URL bar.

For Mac and Linux users, enter the default IP address (http://192.168.2.2) into the browser URL bar.

Note: The access key is only supported by Windows. For Mac and Linux, please use the default IP address as an alternative.

7. You will be prompted to enter a username and password. The default username is **admin**, and the default password is **1234**.
8. You will then enter the iQ Setup screen, where you can choose which mode to activate.

The default mode for the device is Access Point Mode. For Universal Wi-Fi Extender Mode and Wireless Client Mode, please refer to the user manual in the enclosed CD.

**Access Point Mode**

Access Point Mode allows the device to broadcast a wireless Internet signal, which your wireless devices – such as a notebook computer, a smartphone, or a tablet computer – can connect to.

1. Select Access Point Mode from the iQ Setup list.

2. You will be asked if you want to change the login information for this device. For now, simply click ‘NEXT’ without changing anything. You will later have an opportunity to change this in the browser-based setup, should you wish.
Note: If you changed the username and password in this step, you will be prompted to relogin. Enter the new information into the login prompt.

3. You will be prompted to set the device’s access point settings. If you want to, you can give the device an ID in the ‘Device Name’ field, and if you want to set a Wi-Fi password, select ‘Enabled’ from the drop-down menu and enter your desired password in the ‘Wi-Fi Network Password field’. Otherwise, if you keep the default settings, the device’s wireless network will have the default ID of ‘Edimax’ and will use no password.

4. Click ‘APPLY’ when you are done. You will see a confirmation screen, with your Wi-Fi settings.

5. Click ‘APPLY’ and the device will save settings and restart. When it has finished, you will see a final congratulations screen.
Hardware Installation

1. Unplug the Ethernet cable from your computer and the device.

2. Plug one end of an Ethernet cable into the Ethernet port on the device. Plug the other end of the cable into a LAN port on a router or switch.

   **Note:** If you are using a Power over Ethernet (PoE) switch, then it is not necessary to provide power through the 5V adapter. Therefore, if you are using a PoE switch, unplug the power cable from the 5V adapter port. If you are not using a PoE switch, then the device must draw power from the 5V power cable.

3. To attach the device to the ceiling in its final location, attach the device’s back panel to the ceiling with the included screws (mounting kit). Then, attach the rest of the device to the back panel, twisting it clockwise to lock it into place.
4. You may now connect to the device wirelessly by selecting its ID from your list of Wi-Fi networks, and entering the password you set (if you set one). However, remember that for the device to function as a wireless access point, it must connect to the root router or switch with an Ethernet cable.
Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

FCC Caution
This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communications Commission (FCC) Radiation Exposure Statement
This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

Federal Communications Commission (FCC) RF Exposure Requirements
SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

R&TTE Compliance Statement

Safety
This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use
The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use
None
EU Declaration of Conformity

English: This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC, 2009/125/EC.

French: Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 1999/5/CE, 2009/125/CE.

Czechian: Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 1999/5/ES, 2009/125/ES.

Polish: Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 1999/5/EC, 2009/125/EC.


Russian: Это оборудование соответствует основным требованиям и положениям Директивы 1999/5/EC, 2009/125/EC.


Ukrainian: Обладнання відповідає вимогам і умовам директиви 1999/5/EC, 2009/125/EC.

Slovakian: Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 1999/5/ES, 2009/125/ES.

German: Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 1999/5/EC, 2009/125/EC.

Spanish: El presente equipo cumple los requisitos esenciales de la Directiva 1999/5/EC, 2009/125/EC.

Italian: Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 1999/5/CE, 2009/125/CE.

Dutch: Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 1999/5/EC, 2009/125/EC.

Portuguese: Este equipamento cumpre os requisitos essenciais da Directiva 1999/5/EC, 2009/125/EC.

Norwegian: Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 1999/5/EC, 2009/125/EC.

Swedish: Denna utrustning är i överensstämme med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 1999/5/EG, 2009/125/EG.

Danish: Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 1999/5/EC, 2009/125/EC.


WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.
Declaration of Conformity

We, Edimax Technology Co., LTD., declare under our sole responsibility, that the equipment described below complies with the requirements of the European R&TTE directive (73/23/EEC,).

Equipment: N300 High Power Wireless Ceiling Mount Range Extender/Access Point
Model No.: EW-7428HCn
Report No.: ER222113, EH222113, EA222113, L222113L136

The following European standards for essential requirements have been followed:

Spectrum: ETSI EN 300 328 V1.7.1 (2006-10);
EN 301 489-1 V1.9.2 (2011-09)
EN 301 489-17 V2.1.1 (2009-05);
EMF: EN 50385:2002

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Date of Signature: July 6th, 2012
Signature: 
Printed Name: Albert Chang
Title: Director
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