The Edimax EW-7438AC is an 11ac high-speed smart Wi-Fi extender with built-in power adapter and a compact design which plugs directly into an electrical outlet. Double the signal coverage of your Wi-Fi network for better Wi-Fi quality around your home. With smart iQ Setup, installation is quick and easy and the EW-7438AC features three operating modes: Wi-Fi extender, access point or Wi-Fi bridge. Use whichever mode you need for your network. Additionally, the extender complies with IEEE 802.11ac and IEEE 802.11 a/b/g/n wireless standards, for concurrent dual-band wireless speeds up to 750Mbps (300Mbps on 2.4GHz + 433Mbps on 5GHz). With the Edimax EW-7438AC you can enjoy high-speed wireless networking throughout your home without additional cabling. And the EW-7438AC works together with the free EdiRange smartphone app to provide local Wi-Fi environment analytics as well as Wi-Fi scheduling functions and guest network management.

**11ac Super High-Speed Dual-Band Wi-Fi**

Offers the latest 11ac Wi-Fi technology with high-speed capacity up to 750Mbps (N300 + AC433Mbps) and extends both 2.4GHz and 5GHz wireless connections at the same time.

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**Eliminate Dead Zones & Double Wi-Fi Coverage**

Extend Wi-Fi coverage to dead zones which your existing Wi-Fi signal can’t reach. Plug the extender directly into an electrical outlet and double the signal coverage of your Wi-Fi network for better Wi-Fi quality across different rooms or multiple floors in your home.

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**Smart 3-in-1 Extender, Access Point and Wi-Fi Bridge**

The EW-7438AC can work as Wi-Fi extender, access point or Wi-Fi bridge. Just configure the mode you need for your network environment using the smart iQ Setup wizard and enjoy surfing the web.

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Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice. Copyright © 2015 Edimax Technology Co. Ltd. All rights reserved.
**Smart iQ Setup**
Features user-friendly browser-based iQ Setup for smart, automatic and quick installation. iQ Setup automatically detects the available Wi-Fi networks nearby and helps you establish a connection in a few seconds.

**Smart App Control & Analytics**
The extender works together with the free EdiRange smartphone app which displays your local Wi-Fi environment and provides easy-to-understand analytics. Plus you can manage the extender’s wireless network and functions such as scheduling and guest network.

**Universal Compatibility, Works With Any Wireless Router**
Universal compatibility and easy web-based iQ Setup for quick and easy installation.

**Green Wi-Fi Power Switch**
Featuring a new hardware switch to adjust between normal and green Wi-Fi transmit power (the strength of the Wi-Fi signal) or switch off the power with one click. If you only need Wi-Fi in a smaller house, you can switch to green mode to reduce transmit power by 75% and conserve energy.
Cross-Band Technology for Maximum Speed
Edimax cross-band technology uses both frequency bands together to maintain your router’s maximum speed capacity through your extender and to your Wi-Fi device. Data is transmitted on one band and received on the other band, meaning no speed loss at your extender and a faster network with better performance. Perfect for high-speed applications such as HD video streaming or online gaming.

Smart Signal-Strength Indicator
Designed with a signal strength LED which lets you see the Wi-Fi signal strength received from the router* and guides you to find the best setup location. *Extender or Wi-Fi bridge mode only.

Wi-Fi Scheduling
Program intelligent schedules to manage Wi-Fi availability and power usage according to your home’s routine.

Guest Wi-Fi
The EW-7438AC also features a guest wireless network which could be used for visitors only and help to keep your home Wi-Fi private and secure.

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## TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>Wireless Standards and Data Rates</th>
<th>Hardware Interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.4GHz</td>
<td>IEEE 802.11ac (up to 433Mbps)</td>
<td>1 x 10/100Mbps Ethernet LAN port</td>
</tr>
<tr>
<td>5GHz</td>
<td>IEEE 802.11n (up to 300Mbps)</td>
<td>1 x Slide switch</td>
</tr>
<tr>
<td></td>
<td>IEEE 802.11a (up to 54Mbps)</td>
<td>1 x WPS button</td>
</tr>
<tr>
<td></td>
<td>IEEE 802.11g (up to 54Mbps)</td>
<td>LEDs: 5GHz, 2.4GHz, Signal indicator, power, WPS, LAN</td>
</tr>
<tr>
<td></td>
<td>IEEE 802.11b (up to 11Mbps)</td>
<td>1 x AC plug (EU, UK, US, or AU)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Management</th>
<th>Security</th>
<th>System Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-language user interface</td>
<td>64/128-bit WEP, WPA-PSK and WPA2-PSK encryption</td>
<td>Existing wireless home network (2.4GHz/5GHz) for Wi-Fi extender/Wi-Fi bridge mode, or Cable/DSL modem router for access point mode</td>
</tr>
<tr>
<td></td>
<td>802.1x authentication, User access control (in access point mode)</td>
<td>Computer with IEEE802.11ac/a/b/g/n Wi-Fi capability and web browser for software configuration (Internet Explorer, Google Chrome, Firefox, Opera or Safari latest version)</td>
</tr>
<tr>
<td></td>
<td>WPS (Wi-Fi Protected Setup)</td>
<td>iOS 6 above or Android 4.x above for mobile app</td>
</tr>
</tbody>
</table>

### Installation

- Multi-language iQ Setup (browser interface)
- Hardware WPS button

### Antenna

- 3 x internal antennas (2.4GHz x 2, 5GHz x1)

### Power Adapter

- Built-in AC100-240V, 0.16A 50-60Hz power module

### Humidity

- 10-90% (Non-condensing)

### Temperature

- 0-40°C (32-104°F)

### Package Contents

- EW-7438AC Wi-Fi extender
- Quick installation guide
- CD with multi-language QIG and user manual
- Access key card

### Dimensions

- 59(W) x 91(H) x 40(D) mm (power plug is excluded)

### Weight

- 106g

### Certifications

- FCC, CE

## APPLICATION DIAGRAM

- Extender Coverage
- Router Coverage

## HARDWARE INTERFACE

- **LEDs**: 5GHz, 2.4GHz, Signal Indicator, Power, WPS, LAN
- **WPS Button**
- **Slide Switch**: Adjust Wi-Fi Power -Normal Mode, -Green Mode, -Power Off
- **LAN Port**
- **AC Plug Type**:
  - EU
  - UK
  - US
  - AU