The Edimax EW-7478AC 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-7478AC 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 802.11a/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-7478AC you can enjoy high-speed wireless networking throughout your home without additional cabling. And the EW-7478AC 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 1200Mbps (N300 + AC867Mbps) and extends both 2.4GHz and 5GHz wireless connections at the same time.

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.

Smart 3-in-1 Extender, Access Point and Wi-Fi Bridge
The EW-7478AC 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.
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.

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.

Detachable Antenna
The EW-7478AC designed with a detachable 3dBi dual-band antenna provides flexible and high performance connections for your wireless network.
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-7478AC also features a guest wireless network which could be used for visitors only and help to keep your home Wi-Fi private and secure.
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 867Mbps)</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>2 x External detachable antennas</td>
</tr>
<tr>
<td></td>
<td>IEEE 802.11b (up to 11Mbps)</td>
<td>LEDs: 5GHz, 2.4GHz, cross band, power, WPS, LAN</td>
</tr>
</tbody>
</table>

Management

- 16-language user interface
- Upgradeable firmware

Security

- 64/128-bit WEP, WPA-PSK and WPA2-PSK encryption
- 802.1x authentication, User access control (in access point mode)
- WPS (Wi-Fi Protected Setup)

System Requirements

- Existing wireless home network (2.4GHz/5GHz) for Wi-Fi extender/Wi-Fi bridge mode, or Cable/xDSL modem router for access point mode
- 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)
- iOS 6 above or Android 4.x above for mobile app

Installation

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

Antenna

- 2 x External detachable antennas

Power Adapter

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

Humidity

- 10-90% (Non-condensing)

Temperature

- 0-40°C (32-104°F)

Packaging Contents

- EW-7478AC Wi-Fi range extender
- Quick installation guide
- CD with multi-language QIG and user manual
- Access key card

Certifications

- FCC, CE

Dimensions

- 59(W) x 91(H) x 40(D) mm (power plug & antennas are excluded)

Weight

- 130g

APPLICATION DIAGRAM

- Extender Coverage
- Router Coverage

HARDWARE INTERFACE

- Detachable Antennas
- LEDs: 5GHz, 2.4GHz, Cross Band, Power, WPS, LAN
- WPS Button
- Slide Switch: Adjust Wi-Fi Power
  - Normal Mode
  - Green Mode
  - Power Off
- LAN Port

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 © 2016 Edimax Technology Co. Ltd. All rights reserved.