The extraordinary growth in the number of wireless devices found in modern homes has seen a huge increase in demand for wireless speed, range and bandwidth. This continuing trend away from wired connections to wireless communication and the ever-increasing throughput demands of new Wi-Fi devices and applications—including Internet TVs, computers, tablets and smartphones—drives the requirements in today’s homes for high-performance, reliable Wi-Fi to unprecedented levels. To meet the connectivity needs of homes and businesses alike, Edimax has launched the BR-6208AC V2 dual-band 802.11ac router with elegant and compact design:

- **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.**

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VPN Access for Privacy & Security

Built-in Virtual Private Network (VPN) support for easy VPN access on all your devices. VPNs enable you to access secure, remote networks from anywhere and can offer privacy and security online. Log in to your work/school network remotely or avoid geoblocking, protect privacy on public Wi-Fi and bypass Internet censorship.

**Home Users:** Avoid regional restrictions and access geoblocked content such as Netflix or iPlayer from anywhere. Ensure your privacy and anonymity online and defeat censorship and other location-based content restrictions. You can also remotely access your home network when you’re away, and use your encrypted VPN for security when out and about using potentially unsafe public Wi-Fi hotspots.

**Small Office Users:** Enable your employees to access company resources remotely such as email, documents saved on the company server and any programs/systems when they are outside the office.

5-in-1 Router, Access Point, Range Extender, Wireless Bridge and WISP

The BR-6208AC V2 can work as router, access point, range extender, wireless bridge or WISP. Just configure the mode you need for your network environment using the smart iQ Setup wizard.
Edimax’s Revolutionary iQoS

iQoS is Edimax’s solution for a quicker, easier, and more effective way to manage Internet bandwidth. While Quality of Service (QoS) functionality is a common feature in routers across the market, typically only advanced users have the knowledge required to set up the complex parameters. Edimax though has redesigned QoS with user-friendliness and accessibility in mind. A simple and intuitive user interface allows users to arrange bandwidth priority settings in just a few clicks. With iQoS, you can enjoy gaming, video streaming, VoIP applications and BT clients at the same time without the usual nightmare of lag and interruptions. An original, efficient and effective means of managing your Internet bandwidth.
AC750 Dual-Band Wi-Fi Router with VPN Access Point, Range Extender, Wi-Fi Bridge & WISP

BR-6208AC V2

High Gain Antennas For Better Wi-Fi Performance

Employing three external high-gain fixed antennas, the BR-6208AC V2 provides powerful 2.4GHz and 5GHz dual-band signal strength and enhances Wi-Fi range, providing signal penetration through walls and floors across your home or office.

Multi-SSID & VLAN Support*

Multi-SSID enables users to configure up to eight separate SSIDs (2.4GHz x 4 and 5GHz x 4) in order to group and manage users according to your requirements. In addition, each SSID can be assigned a different VLAN ID, so users with multiple VLANs can manage the network access level of each SSID – ensuring security and protecting confidential or critical network resources.
*Access point mode only

Guest Network*

Supports a guest network to provide connectivity while isolating guests from your primary network.
*Router mode only

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TECHNICAL SPECIFICATIONS

FUNCTIONS
- Supports router, access point, range extender, wireless bridge and WISP modes
- Guest network
- Up to 8 SSIDs (2.4GHz x 4 and 5GHz x 4) with VLAN support in AP mode
- IGMP proxy and IGMP snooping
- DDNS and DHCP
- Port triggering for special applications
- Virtual server and DMZ hosting
- MAC/IP filter and URL blocking
- iQoS for smart bandwidth management
- Static routing
- UPnP architecture
- VPN pass-through (IPSec/PPTP)
- Wi-Fi schedule control
- Fault tolerance firmware upgrade

HARDWARE INTERFACE
- 1 x RJ-45 10/100Mbps WAN port
- 3 x RJ-45 10/100Mbps LAN port
- LED indicators: power, Internet, 2.4GHz wireless, 5GHz wireless, new FW, VPN
- 2 x 2.4GHz antennas and 1 x 5GHz antenna
- WPS/Reset button

MANAGEMENT & INSTALLATION
- Multi-language user interface
- Supports remote management
- System status and security log
- Firmware upgradable
- Smart iQ Setup, no CD required
- Supports smartphone, tablet or laptop setup (iOS 4 or Android 4 and above are required for smartphone or tablet setup) with web browser (Internet explorer, Google Chrome, Firefox, Opera or Safari)

WAN
- Supports WISP connection mode
- Supports RJ-45 cable/xDSL modems
- WAN protocol: PPPoE, static IP, dynamic IP, PPTP and L2TP

OUTPUT POWER & SENSITIVITY
<table>
<thead>
<tr>
<th>GAIN (5GHz)</th>
<th>GAIN (2.4GHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Power</td>
<td>Output Power</td>
</tr>
<tr>
<td>11a (54Mbps): 14±1dBm</td>
<td>11b (11Mbps): 18±1dBm</td>
</tr>
<tr>
<td>11n (20MHz, MCS7): 13±1dBm</td>
<td>11g (54Mbps): 14±1dBm</td>
</tr>
<tr>
<td>11n (40MHz, MCS7): 13±1dBm</td>
<td>11n (20MHz, MCS7): 13±1dBm</td>
</tr>
<tr>
<td>11ac (80MHz, MCS9): 12±1dBm</td>
<td>11n (40MHz, MCS7): 13±1dBm</td>
</tr>
<tr>
<td>Receive Sensitivity</td>
<td>Receive Sensitivity</td>
</tr>
<tr>
<td>11a (54Mbps): -68±2dBm</td>
<td>11b (11Mbps): -85±2dBm</td>
</tr>
<tr>
<td>11n (20MHz, MCS7): -68±2dBm</td>
<td>11g (54Mbps): -68±2dBm</td>
</tr>
<tr>
<td>11n (40MHz, MCS7): -68±2dBm</td>
<td>11n (20MHz, MCS7): -68±2dBm</td>
</tr>
<tr>
<td>11ac (80MHz, MCS9): -51±2dBm</td>
<td>11n (40MHz, MCS7): -68±2dBm</td>
</tr>
</tbody>
</table>

SECURITY
- 64/128-bit WEP, WPA and WPA2 security
- QoS for critical operations
- SPI anti-DoS firewall

MEMORY
- 16MB NOR Flash
- 64MB RAM

HUMIDITY & TEMPERATURE
- 10-90% (non-condensing)
- 0-40°C

PVERSIONS & WEIGHTS
- 160mm x 115mm x 31mm
- 170g

CERTIFICATIONS
- FCC/CE

HARDWARE INTERFACE

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AC750 Dual-Band Wi-Fi Router with VPN Access Point, Range Extender, Wi-Fi Bridge & WISP

BR-6208AC V2

APPLICATION DIAGRAM

Wi-Fi Router
Share an Internet connection to all of your devices.

Access Point
Wired and Wi-Fi access for any existing wired network.

Wi-Fi Extender
Extend existing Wi-Fi for further coverage.

Wi-Fi Bridge
Let wired TVs, game consoles or media players join your wireless network.

WISP
Share a wireless Internet connection to all of your devices.

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