EDIMAX
NETWORKING PEOPLE TOGETHER

3 in 1
Wi-Fi Router
Range Extender
Access Point
Switch mode at will!

AC1200
Next Generation Wi-Fi

2.4GHz 5GHz
Dual-Band

Router Access Point Range Extender
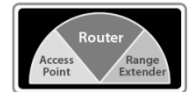3-in-1 Multi-Function

Smart Setup, No CD Required

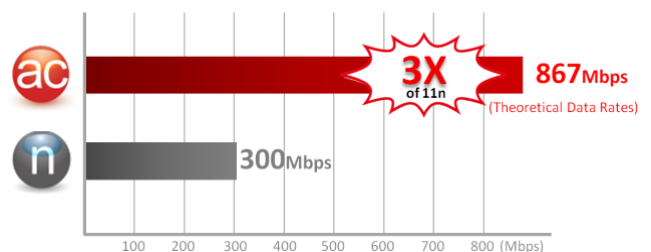**iQoS**
Bandwidth Management

BR-6478AC

AC1200 Multi-Function Concurrent Dual-Band Wi-Fi Gigabit Router

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-6478AC dual-band 802.11ac router: featuring the latest 11ac draft standard for extraordinary improvements in the speed, reliability and quality of wireless communications.

Next-Generation Wireless Networking

The Edimax BR-6478AC router supports the next generation IEEE 802.11ac wireless standard, meaning higher data rates in the 5GHz band. With 300Mbps speeds in the 2.4GHz band and 867Mbps speeds in 5GHz, the BR-6478AC is ideal for HD video streaming and large file transfers. The router is also backward compatible with 802.11a/b/g/n to ensure compatibility with legacy Wi-Fi devices.

Maximum Speed: Next Generation 802.11ac vs. 802.11n

ac — **3X** of 11n — **867**Mbps (Theoretical Data Rates)

n — **300**Mbps

100 200 300 400 500 600 700 800 (Mbps)

Concurrent Dual-Band Wi-Fi & Gigabit Ethernet Connectivity

The Edimax BR-6478AC router provides simultaneous 2.4GHz (802.11n) and 5GHz (802.11ac) wireless network connectivity for maximum flexibility of use. Additionally, the BR-6478AC router features four gigabit LAN ports and one gigabit WAN port, offering data rates of up to a staggering 1000Mbps for users with the need for maximum network performance. With gigabit Ethernet connectivity, the BR-6478AC can provide users a fast and smooth media streaming or network gaming experience.

5GHz (Up to 867Mbps)
Interference-Free
HD Video and Gaming

Online Gaming | HD Video Streaming | VoIP Calling

Gigabit
1000
Mbps
10X Faster
100Mbps   1000Mbps

Concurrent Dual-Band

2.4GHz (Up to 300Mbps)
More Supported Devices
Basic Internet Applications

Web Browsing | Online Chat | Email and downloading

AC1200: 867Mbps(5GHz) + 300Mbps(2.4GHz)

www.edimax.com

AC1200 Multi-Function Concurrent Dual-Band Wi-Fi Gigabit Router

BR-6478AC

Wi-Fi Router

Range Extender

Access Point

3 in 1

Switch mode at will!

Switch mode with one click!

3-in-1 Router, Access Point and Range Extender

The BR-6478AC can work as router, access point or range extender. Just configure the mode you need for your network environment using the smart iQ Setup wizard.
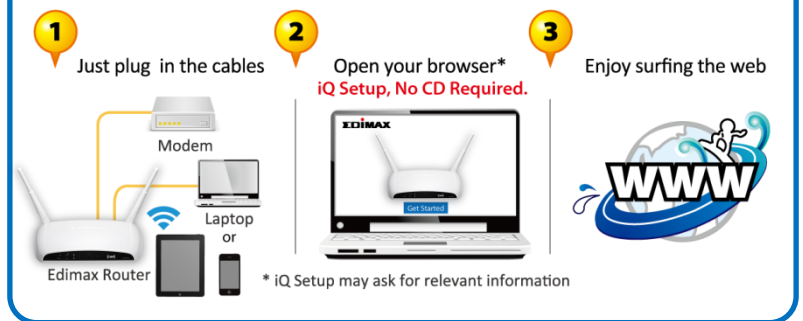
Switch mode using the smart iQ setup wizard on any device with a web browser, no CD required.
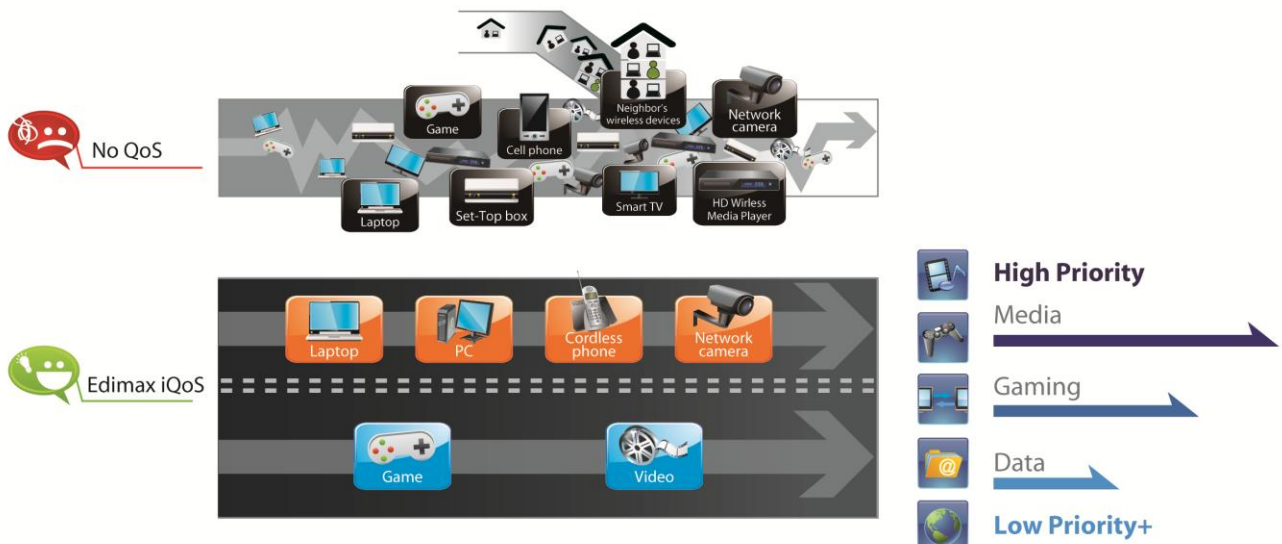*Mobile device setup requires iOS 4.0 or Android 4.0 and above.*

Easy 3-Step Smart iQ Setup

1 Just plug in the cables

2 Open your browser*
iQ Setup, No CD Required.

3 Enjoy surfing the web

Modem

Laptop or

Edimax Router

Get Started

* iQ Setup may ask for relevant information

Smart iQ Setup

Features iQ Setup for smart, automatic and quick installation with no CD required.

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.

No QoS

Game
Cell phone
Neighbor's wireless devices
Network camera
Laptop
Set-Top box
Smart TV
HD Wireless Media Player

Edimax iQoS

Laptop
PC
Cordless phone
Network camera
Game
Video

High Priority
Media
Gaming
Data
Low Priority+

AC1200 Multi-Function Concurrent Dual-Band Wi-Fi Gigabit Router

BR-6478AC

Guest Network*

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

Guest Wi-Fi   Private Security

WPS (Wi-Fi Protected Setup) Button & Built-In WLAN On/Off Switch

The Edimax BR-6478AC allows users to build secure connections with WPS enabled wireless devices simply by pressing the WPS button - there is no need for the hassle of complex set up and configuration procedures . And with the built-in WLAN on/off switch users can also easily switch on/off the wireless connection without logging into the user interface – an easy way to save electricity when it is not in use.
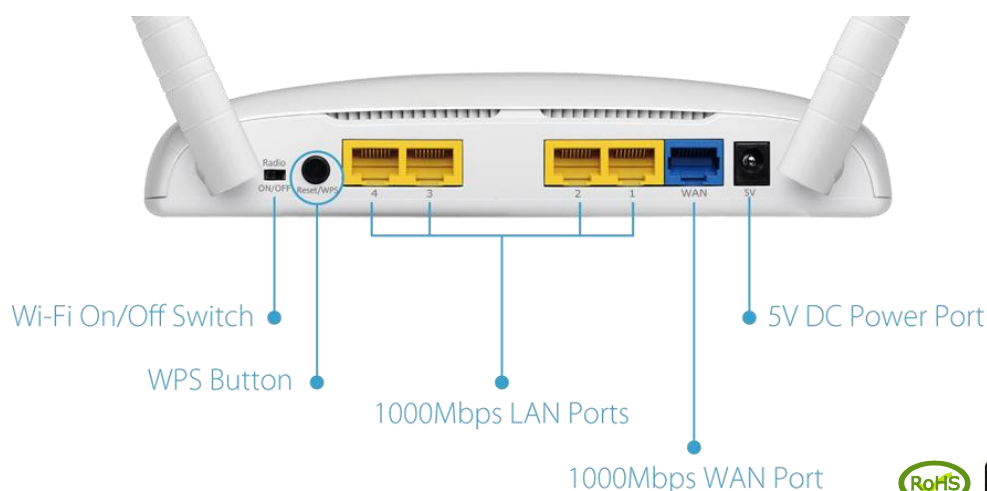

EW-7822UAC 11ac USB 3.0 Adapter

BR-6478AC 11ac Gigabit Router

AC1200 Multi-Function Concurrent Dual-Band Wi-Fi Gigabit Router

BR-6478AC

FEATURES & TECHNICAL SPECIFICATIONS

FUNCTIONS	HARDWARE INTERFACE	MANAGEMENT & INSTALLATION
❋ Supports router, access point & range extender modes ❋ Guest network ❋ 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	❋ 1 x RJ-45 gigabit WAN port ❋ 4 x RJ-45 gigabit LAN port ❋ LED indicators: power, Internet, wireless, WAN LNK/ACT, LAN LNK/ACT ❋ 2 x 3dBi dual-band antennas ❋ WPS/Reset button ❋ Wireless on/off switch	❋ 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).

WAN	OUTPUT POWER & SENSITIVITY GAIN (5GHz)	OUTPUT POWER & SENSITIVITY GAIN (2.4GHz)
❋ Supports WISP connection mode ❋ Supports RJ-45 cable/xDSL modems ❋ WAN protocol: PPPoE, static IP, dynamic IP, PPTP and L2TP	Output Power ❋ 11a(54Mbps): 12 ± 1.5dBm ❋ 11n(20MHz, MCS7): 12 ± 1.5dBm ❋ 11n(40MHz, MCS7): 12 ± 1.5dBm ❋ 11n(80MHz, MCS9): 10 ± 1.5dBm Receive Sensitivity ❋ 11a(54Mbps): -70 ± 2dBm ❋ 11n(20MHz, MCS7): -68 ± 2dBm ❋ 11n(40MHz, MCS7): -64 ± 2dBm ❋ 11n(80MHz, MCS9): -54 ± 2dBm	Output Power ❋ 11b (11Mbps): 16 ± 1.5dBm ❋ 11g (54Mbps): 14 ± 1.5dBm ❋ 11n (20MHz, MCS7): 13 ± 1.5dBm ❋ 11n (40MHz, MCS7): 13 ± 1.5dBm Receive Sensitivity ❋ 11b(11Mbps): -84 ± 2dBm ❋ 11g (54Mbps): -70 ± 2dBm ❋ 11n(20MHz, MCS7): -65 ± 2dBm ❋ 11n(40MHz, MCS7): -63 ± 2dBm

SECURITY	MEMORY	HUMIDITY & TEMPERATURE
❋ 64/128-bit WEP, WPA and WPA2 security ❋ QoS for critical operations ❋ SPI anti-DoS firewall	❋ 4MB NOR Flash ❋ 64MB RAM	❋ 10-90% (non-condensing) ❋ 0-40ºC

POWER ADAPTER	DIMENSIONS & WEIGHTS	CERTIFICATIONS
❋ DC 5V, 2A	❋ 196mm x 114mm x 36mm ❋ 315g	❋ FCC/CE

HARDWARE INTERFACE

Wi-Fi On/Off Switch

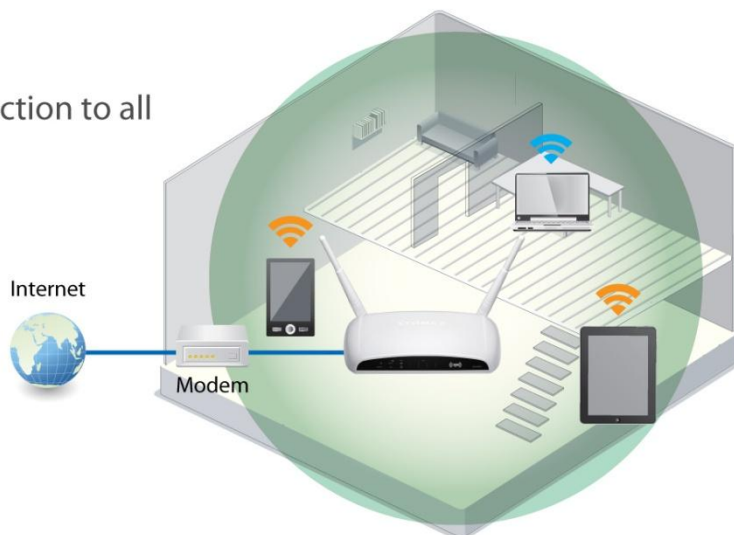WPS Button

1000Mbps LAN Ports

1000Mbps WAN Port

5V DC Power Port

APPLICATION DIAGRAM

Router
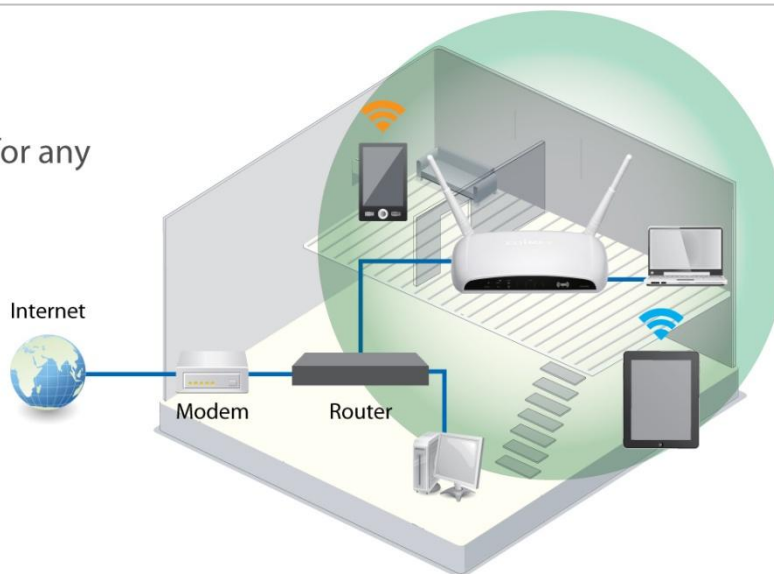Share an Internet connection to all of your devices.

- 5GHz Wi-Fi
- 2.4GHz Wi-Fi

Internet

Modem

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

- 5GHz Wi-Fi
- 2.4GHz Wi-Fi

Internet

Modem Router

Range Extender
Extend existing Wi-Fi for further coverage.

- 5GHz Wi-Fi
- 2.4GHz Wi-Fi
- Concurrent Dual-Band

Internet

Modem Router