EDIMAX
NETWORKING PEOPLE TOGETHER

AC1200
Next Generation Wi-Fi

2.4GHz 5GHz
Dual-Band

iQoS
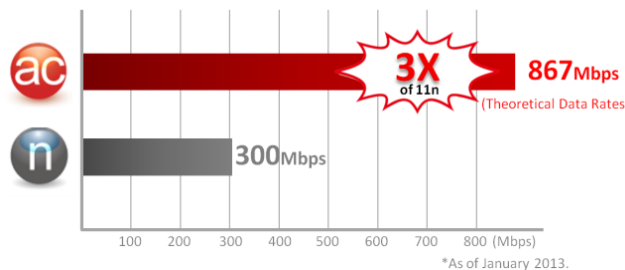Bandwidth Management

HD
Media Streaming

BR-6478AC

AC1200 Wireless Concurrent Dual-Band Gigabit Router

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)

*As of January 2013.

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

ac   n   a

Concurrent Dual-Band

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

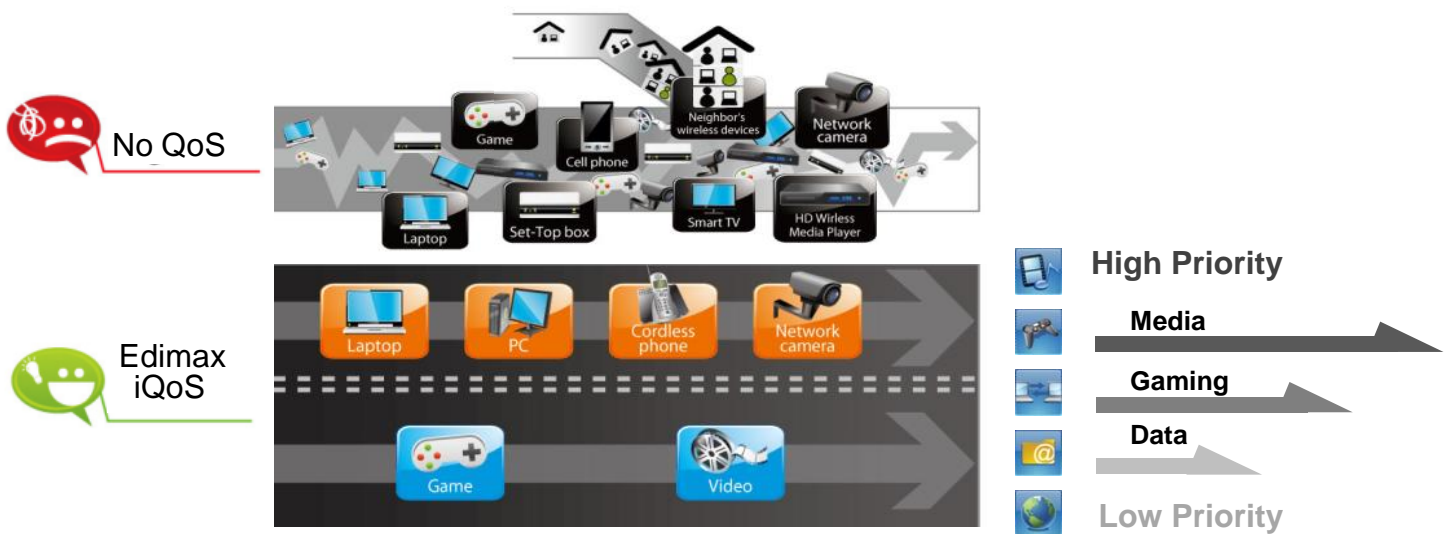Web Browsing   Online Chat   Email and downloading

n   g   b

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

RoHS FC CE

AC1200 Wireless Concurrent Dual-Band Gigabit Router

BR-6478AC

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.

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 Wireless Concurrent Dual-Band Gigabit Router

BR-6478AC

FEATURES & TECHNICAL SPECIFICATIONS

FUNCTIONS	HARDWARE INTERFACE	MANAGEMENT
✲ Supports AP, AP client, AP bridge, WDS and range extender modes ✲ Guest network ✲ Port triggering for special applications ✲ IGMP proxy and IGMP snooping ✲ Virtual server and DMZ hosting ✲ MAC/IP filter and URL blocking ✲ Static routing ✲ UPnP architecture ✲ VPN pass-through (IPSec/PPTP) ✲ 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

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 encryption, 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	CERTIFICATIONS
✲ DC 5V, 2A	✲ 196mm x 114mm x 36mm	✲ FCC/CE

APPLICATION DIAGRAM