



BR-6428n

## 300Mbps Wireless Broadband iQ Router



The Edimax BR-6428n is not just any wireless broadband device—it is the first among Edimax's new generation of wireless broadband "iQ" routers. The combination of the latest, cutting-edge wireless technology and Edimax's revolutionary "iQoS" bandwidth managing system makes the Edimax BR-6428n wireless broadband iQ router smart, innovative, and truly a product of the future.

### Introducing Edimax's Revolutionary "iQoS"

The revolutionary "iQoS" is Edimax's answer to the need for a quicker, easier, and more effective way to manage Internet bandwidth. With iQoS, gaming\*, video streaming, using VoIP applications and BT clients at the same time will no longer be a nightmare. Its simple and intuitive user interface allows you to arrange all your priority settings in just a few clicks. iQoS is no doubt the best guardian of your Internet bandwidth.

### Green Technology

The Edimax BR-6428n iQ router is designed with the latest green technology. By detecting the amount of wireless transference and supplying only the amount of power needed, this iQ router is able to ensure the highest wireless performance while saving up to 66% of the usual power consumption. Even when it is in full loading, the BR-6428n uses 50% less power compared to other non-green 300Mbps routers.

### Wireless 802.11n Standard (data rates up to 300Mbps)

The Edimax BR-6428n is a high-speed solution that complies with IEEE 802.11b/g/n standards. The latest wireless technology is built into this iQ router to broaden its wireless coverage by 5 times and to reduce dead spots within the wireless range. When it is connected to wireless 802.11n compatible devices, the BR-6428n can achieve transmission rates of up to 300Mbps. The BR-6428n is truly a cost-effective solution for any home or small business environment.

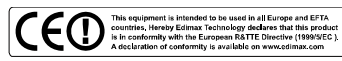
### WPS (Wi-Fi Protected Setup) Button

The Edimax BR-6428n allows you to build secure connections with WPS enabled wireless devices simply by pressing the WPS button. No need to go through the hassle of setting up and configuring the security of your wireless network.

### Built-In WLAN Switch to Enable/Disable Wireless Signal

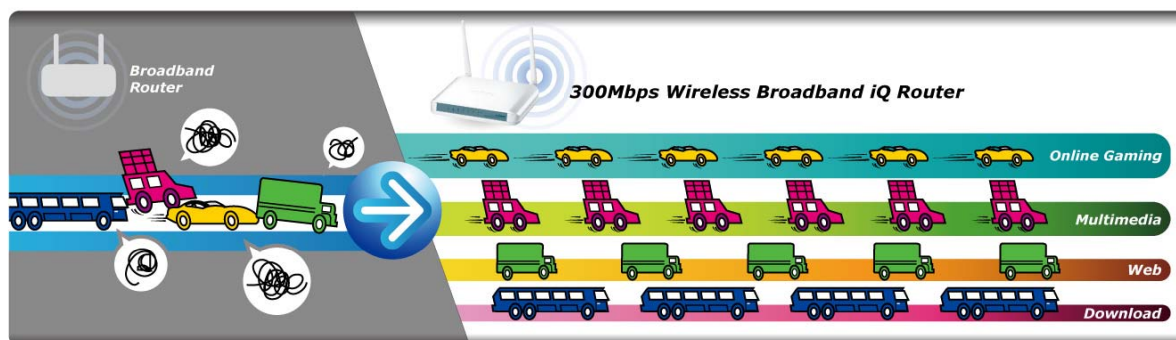
With the built-in WLAN switch, you can easily switch on/off the wireless connection without any extra settings.

\* iQoS currently supports PS3 and XBOX online games (please check with Edimax offices in your region for other supported online games)



## FEATURES & TECHNICAL SPECIFICATIONS

FUNCTIONS	HARDWARE INTERFACE	MANAGEMENT
<ul style="list-style-type: none"> <li>Supports AP, AP Client, Bridge, Bridge+ WDS, and Universal Repeater modes</li> <li>Port Triggering for special applications</li> <li>DDNS and SIP</li> <li>Virtual Server and DMZ hosting</li> <li>MAC/IP filter and URL blocking</li> <li>Static routing</li> <li>UPnP architecture</li> <li>VPN Pass-Through (IPSec/PPTP)</li> <li>Schedule control</li> </ul>	<ul style="list-style-type: none"> <li>One RJ-45 WAN port</li> <li>Four RJ-45 Fast Ethernet LAN ports</li> <li>LED Indicators: Power, Wireless, WAN, LNK/ACT for LAN</li> <li>3dBi antenna x 2</li> <li>WPS / Reset button</li> <li>Switch for wireless on/off</li> </ul>	<ul style="list-style-type: none"> <li>12-language User Interface</li> <li>Supports Remote Management</li> <li>System Status and Security Log (Web Interface)</li> <li>Firmware upgradeable</li> </ul>
WAN	SECURITY	OUTPUT POWER & SENSITIVITY GAIN
<ul style="list-style-type: none"> <li>Supports WISP connection mode</li> <li>Supports RJ-45 cable/xDSL modem</li> <li>WAN protocol: PPPoE/Static IP/PPTP/Dynamic IP/L2TP</li> </ul>	<ul style="list-style-type: none"> <li>NAT/NAPT IP Sharing</li> <li>64/128-bit WEP Encryption and WPA-PSK, WPA2-PSK security</li> <li>DHCP Server/Client</li> <li>QoS for critical operations</li> <li>SPI Anti-Dos Firewall</li> </ul>	<ul style="list-style-type: none"> <li>11n: 15±1dBm, 11g: 15±1dBm, 11b: 18±1dBm</li> <li>11n (40MHz): -68dBm, 11n (20MHz): -71dBm, 11g: -74dBm, 11b: -87dBm</li> </ul>
MEMORY	INSTALLATION KIT	HUMIDITY & TEMPERATURE
<ul style="list-style-type: none"> <li>4 MB NOR Flash</li> <li>32 MB SDRAM</li> </ul>	<ul style="list-style-type: none"> <li>Multilingual EZMax Setup Wizard</li> </ul>	<ul style="list-style-type: none"> <li>10-90% (Non-condensing)</li> <li>0~45°C</li> </ul>
POWER ADAPTER	DIMENSIONS	CERTIFICATIONS
<ul style="list-style-type: none"> <li>DC 5V, 1A</li> </ul>	<ul style="list-style-type: none"> <li>134 (W) x 110 (D) x 26 (H) mm</li> </ul>	<ul style="list-style-type: none"> <li>CE, FCC</li> </ul>



⊙ Having trouble managing your bandwidth?

⊙ Edimax's "iQoS" makes bandwidth management **quicker, easier, and more effective!**



This equipment is intended to be used in all Europe and EFTA countries. Hsinyi Edimax Technology declares that this product is in conformity with the European R&TTE Directive (1999/5/EC). A declaration of conformity is available on [www.edimax.com](http://www.edimax.com)