The BR-6428nS V2 is a 300Mbps high-speed multi-function Wi-Fi solution which supports IEEE 802.11b/g/n standards and provides significantly improved coverage with the 5dBi antenna. Operating as a router, access point or range extender, the BR-6428nS V2’s flexibility meets the demands of any networking applications. The smart iQ Setup wizard makes setup and installation as easy as a few clicks. Impressive performance and a competitive price make the BR-6428nS V2 a cost-effective solution for home or small office environments.

3-in-1 Router, Access Point and Range Extender
The BR-6428nS V2 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 and enjoy surfing the web.

Smart iQ Setup
Features iQ Setup for smart, automatic and quick installation with no CD required.
5dBi High Gain Antenna
Employs two 5dBi high gain antennas to enhance wireless range and coverage, providing powerful penetration through walls and floors.

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

Green Technology
Designed with the latest green technology, the BR-6428nS V2 uses 30% less power compared to other standard 300Mbps routers.

Wireless Internet Service Provider (WISP) Connection Mode
With WISP support, the BR-6428nS V2 is able to share an Internet connection from a wireless ISP access point and convert it into a wired or wireless network for multiple users in your home or office.
**Wi-Fi Protected Setup (WPS) Button**
The BR-6428nS V2 has a one-click Wi-Fi Protected Setup (WPS) button to help you set up and activate a secure wireless network in a snap.

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### TECHNICAL SPECIFICATIONS

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<th>MANAGEMENT</th>
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<td>Supports router, access point &amp; range extender modes</td>
<td>1 x RJ-45 Fast Ethernet WAN port</td>
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<td>Port triggering for special applications</td>
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### WAN

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

### SECURITY

- NAT/NAPT IP sharing
- WEP, WPA & WPA2 encryption
- DHCP server/client
- QoS for critical operations
- SPI anti-DoS firewall

### OUTPUT POWER & RECEIVE SENSITIVITY

- E.I.R.P: < 20dBm
- 11b (11Mbps) : -83dBm±2dBm
- 11g (54Mbps) : -71dBm±2dBm
- 11n (20MHz) : -68dBm±2dBm
- 11n (40MHz) : -64dBm±2dBm

### MEMORY

- 4MB NOR Flash
- 16MB SDRAM

### INSTALLATION KIT

- 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.)

### HUMIDITY & TEMPERATURE

- 10 – 90% (Non-condensing)
- 0 – 40°C

### POWER ADAPTER

- 5V DC, 1A

### DIMENSIONS & WEIGHT

- 135(W) x 110 (D) x 28 (H) mm
- 161g (antenna weight included)

### CERTIFICATIONS

- CE, FCC

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 © 2013 Edimax Technology Co. Ltd. All rights reserved.
N300 Multi-Function Wi-Fi Router
Three Essential Networking Tools in One

HARDWARE INTERFACE

APPLICATION DIAGRAMS

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

**Wi-Fi Extender** | Extend existing Wi-Fi for further coverage

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

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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