

# JBR4100WN

## 150Mbps Wireless 11N Broadband Router



The 150Mbps Wireless-N Broadband Router is dedicated to Small Office/Home Office (SOHO) Wireless network solution. It is 4 in 1 network device, which combines wireless access point, firewall, 4-port Switch and the NAT-Router. It provides up to 150Mbps data transmission rate in 2.4GHz frequency, complies with IEEE 802.11n, IEEE 802.11g and IEEE802.11b and backwards compatible with all IEEE 802.11n/g/b devices. And the router also supports wireless LAN up to 128-bit WEP, WPA/WPA2 encryption security. The 150Mbps Wireless-N Broadband Router also provides WEB and Remote Management and system log so that network administrators can manage and monitor the network in real time. The 150Mbps Wireless-N Broadband Router also provides a hardware WPS (Wi-Fi protected setup) button, which helps you setup a secure wireless network in a snap. The button lets you activate the wireless protection easily

### Key Features

- Comply with IEEE802.11n/g/b, IEEE802.310Base-T, IEEE802.3u 100Base-TX standards
- Provides an excellent solution for better performance while sharing a broadband Internet connection over a secure wireless network
- Supports the latest wireless security features to prevent unauthorized access
- WPS button securely connects devices in a snap
- Provides up to 3 times the transmission rate and double the range of 802.11g products
- Supports 64/128-bit WEP, WPA and WPA2 wireless security modes
- WPS (PIN/PBC) enabled
- Support DHCP Client, PPPoE Client, Static IP, PPTP
- Support multi-wireless mode: AP, WDS, AP+WDS, repeater, client
- Support MAC filtering, IP access control, DNS filter
- Support FTP, PPTP and L2TP pass through
- Support UPNP (universal plug and play)
- Upgradeable firmware for future functions
- Support WMM
- Support DMZ

### Specifications

- Chip
  - ✧ RTL8196C+RTL8188RE
- SDRAM/FLASH
  - ✧ 16M/4M
- Ports
  - ✧ 4x 10/100M Auto MDI/MDIX RJ45 ports
  - ✧ 1x 10/100M Auto MDI/MDIX RJ45 port
- Button
  - ✧ Reset
  - ✧ WPS



- LED
  - ✧ SYS/WPS
  - ✧ WAN
  - ✧ LAN
- Cabling Type
  - ✧ UTP CAT3 or up
- Wireless Spec.
  - ✧ Frequency
    - 2.412GHz-2.4835GHz
  - ✧ Data Transfer Rates
    - 11n: 40Mbps (150 Mbps, 135 Mbps, 120 Mbps, 90 Mbps, 60 Mbps, 45 Mbps, 30 Mbps, 15 Mbps)
    - 20Mbps (72 Mbps, 65 Mbps, 57 Mbps, 43 Mbps, 28 Mbps, 21 Mbps, 14 Mbps, 7 Mbps) (Auto-Sense)
    - 801.11g:(54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 11Mbps, 9Mbps, 6Mbps)
    - 802.11b:(11Mbps,9Mbps, 6Mbps, 5, 5Mbps, 2Mbps, 1Mbps)
  - ✧ Channel
    - USA, Canada(FCC):11channels(2.412GHz-2.462GHz)
    - Europe(CE): 13 channels (2.412GHz-2.472GHz)
    - Japan: 14 channels (2.412GHz-2.4835GHz)
  - ✧ Modulation
    - CCK
    - OFDM
  - ✧ Transmission Distance
    - Indoor up to 70m
    - outdoor up to 250m (Standard transmission distance, it is limited in an environment)
  - ✧ RF Power
    - 11b:18dBm
    - 11g:14dBm
    - 11n:13dBm
  - ✧ Receive sensitivity
    - 11n 20MHz/40MHz: -65dBm/-62dBm
    - 54Mbps: -68dBm
    - 11Mbps: -84dBm
  - ✧ Antenna
    - 3dBi

## **Software Specification**

- Standards and Protocol
  - ✧ IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
  - ✧ IEEE 802.11e, IEEE 802.11h, IEEE 802.11k, IEEE 802.11i
  - ✧ IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX
- System status
  - ✧ WAN status
  - ✧ WAN IP release& renew
  - ✧ LAN status
  - ✧ Wireless status
  - ✧ System info note: firmware version, running time etc
  - ✧ Traffic statistics
- System log
  - ✧ WAN connection log
  - ✧ Admin login/logout log
- WAN setup
  - ✧ DHCP client
  - ✧ PPPOE client
  - ✧ Static IP
  - ✧ PPTP client
- Wireless
  - ✧ Support wireless mode: AP, WDS, AP+WDS, repeater, client, multi-AP (isolated or accessible)
  - ✧ Wireless security: Non、WEP、WPA Personal、WPA2 Personal、WPA&WPA2 Personal
  - ✧ Base setting note: on/off, SSID, channel, B/G/N mode, etc.
  - ✧ Wireless MAC setting
  - ✧ Wireless MAC filter
  - ✧ Region selection
  - ✧ WDS setting
    - WDS manual setting
    - WDS auto setting
  - ✧ Advanced setting
  - ✧ WMM
  - ✧ RF output power setting
  - ✧ IAPP/802.11f
  - ✧ WPS (support SW mode and HW push-button)
- LAN Management
  - ✧ LAN IP setup
  - ✧ DHCP Server
    - Basic DHCP server setting (IP pools, lease time)
    - DHCP IP reserved
    - DHCP client info
- Host management



### **Environment**

- Dimension
  - ✧ 160 mm(L)\* 107.76 mm(W)\*31 mm(H)
- Power
  - ✧ DC 9V
- Operating Temperature
  - ✧ 0° to 40° C
- Storage Temperature
  - ✧ -40° to 70° C
- Operating Humidity
  - ✧ 10% to 90% RH non-condensing
- Storage Humidity
  - ✧ 5% to 90% RH non-condensing

### **Certification**

FCC Part 15 Class A, CE

## **Ordering information**

<b>Model</b>	<b>Description</b>
JBR4100WN	Wireless 11N Broadband Router

