

## JBR4300WN

### 300Mbps Wireless 11N Broadband Router

#### Introduction

The 300Mbps Wireless-N Broadband Router is dedicated to Small Office/Home Office (SOHO) Wireless network solution.

- Speeds Up to 6x Faster than wireless G
- Ideal for streaming HD video or streaming multiple applications simultaneously
- Intelligent Qos Technology for Superior VOIP and Online Gaming



#### Features

- Comply with IEEE802.11n/g/b, IEEE802.3 10Base-T, IEEE802.3u 100Base-TX standards
- Parental controls to supervise Internet activity
- Connect your computers, gaming consoles, Internet-enabled HDTVs and Blu-Ray players, and other wireless devices at up to 300 Mbps of transfer speeds
- Advanced WAP/WAP2 wireless security and SPI firewall protection
- MIMO technology enabled
- Support DHCP Client, PPPoE Client, Static IP, PPTP
- Support multi-wireless mode: AP, WDS, AP+WDS, repeater, client
- WPS button securely connects devices at a snap
- Support FTP, PPTP and L2TP pass through
- IP and MAC binding effectively prevent ARP virus attacks
- Support WMM
- Support DMZ

#### *Hardware Specification*

- 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
  - ◇ PWR
  - ◇ WPS
  - ◇ SYS
  - ◇ WLAN
  - ◇ WAN
  - ◇ LAN
- Cabling Type
  - ◇ UTP CAT3 or up
- Wireless Spec.
  - ◇ Frequency Band
    - 2.412GHz-2.4835GHz
  - ◇ Data Transfer Rates
    - 11n: 40MHZ (300 Mbps, 270 Mbps, 240 Mbps, 180 Mbps, 120 Mbps, 90 Mbps, 60 Mbps, 30 Mbps)
    - 20MHZ (144 Mbps, 130 Mbps, 115 Mbps, 86 Mbps, 57 Mbps, 43 Mbps, 28 Mbps, 14 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***

- Standard 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 accessable)
  - ◇ 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
  - ◇ Host upload/ download traffic limiting
- Gaming & Applications
  - ◇ Virtual Service
  - ◇ DMZ
    - DMZ (based host IP address)
    - Supper DMZ (based host MAC address)
    - Multi DMZ
  - ◇ Port trigger
  - ◇ UPnP
- ALG
  - ◇ FTP Pass-through
  - ◇ PPTP Pass-through
  - ◇ L2TP Pass-through
- Firewall
  - ◇ ACL
  - ◇ ACL-time-based
  - ◇ MAC Filter
  - ◇ MAC Filter-time-based
  - ◇ DNS keyword blocking
  - ◇ DNS keyword blocking-time-based
- Static routing
- Advanced setting

- ◇ IGMP Proxy
- ◇ Wake on LAN
- DDNS
- System Management
  - ◇ User setup (username& password)
  - ◇ Remote web management
  - ◇ Port setting
  - ◇ NTP client/ timezone setting
  - ◇ Port setting
  - ◇ Reset Default
  - ◇ Reboot
  - ◇ Upgrade (based web, auto upgrade by web)

### ***Environment***

- Dimension
  - ◇ 183 mm(L)\*125.2 mm(W)\*30.72 mm(H)
- Weight
  - ◇ 284.5g
- 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

