



**INTELLINET**  
NETWORK SOLUTIONS

BRINGING NETWORKS TO LIFE



# Wireless G Broadband Router

**Model**  
523431

## Create a wireless network easily, in your home or office.

The INTELLINET NETWORK SOLUTIONS™ Wireless G Broadband Router lets you experience fast speeds as you surf the Web, download music or photos, and play online games. This wireless router works with 802.11g as well as the older 802.11b products, and also includes a 4-port 10/100 LAN switch so you can connect wired and wireless to satisfy all your needs.

### Flexible

The Wireless G Broadband Router allows you to conveniently share your network connection with multiple users on your network with or without wires. It delivers 10/100 Mbps (auto-sensing) WAN and LAN connections and is interoperable with 54 Mbps (802.11g) and 11 Mbps (802.11b) devices over a 2.4 GHz band wireless network. The WAN connection wizard makes installation a snap.

### Secure

Keeping intruders out of your network can be a challenge, and this feature-rich wireless router is designed to make that challenge easier. It includes a true firewall that secures your network against hackers. With Network Address Translation (NAT) to shield your networked devices from intruders, Denial of Service (DoS) attack prevention to avert potential threats by scanning incoming traffic, and WEP and WPA encryption to conceal your information on the wireless LAN from eavesdroppers, you can rest assured that you have taken the necessary precautions to protect the data on your network. As if this were not enough, the built-in VPN server supports up to five connections simultaneously, giving you secure access to your office or corporate network.

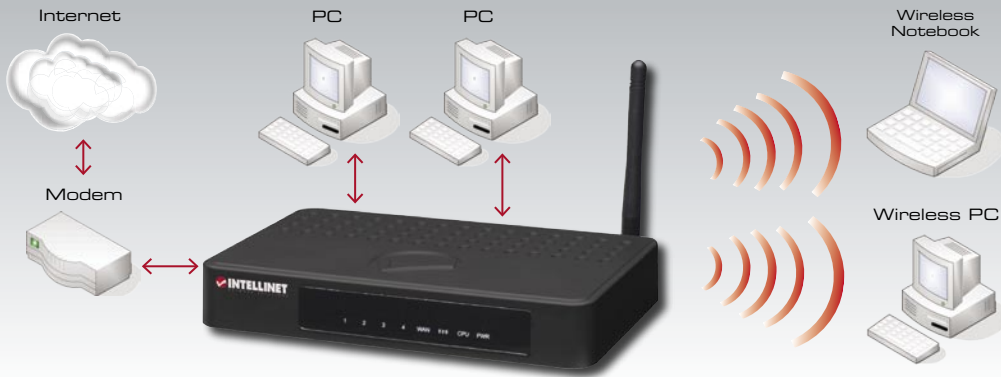
### Efficient

As you add more applications to your network, and as technology continues to advance, you need to be able to optimize the precious bandwidth on your Internet-access facility. The Quality of Service (QoS) feature allows you to determine which applications are most important, and ensure they have priority with available bandwidth during network peak times so the applications that are most important to you are running at their best.

### Lifetime Warranty

Strict manufacturing standards ensure the highest quality in all INTELLINET NETWORK SOLUTIONS products. All items carry a full Lifetime Warranty — the strongest quality commitment anyone can make.





**LIFETIME WARRANTY**

**Model 523431**

## Features

- Up to 54 Mbps network data transfer rate
- Compatible with all 802.11b & g wireless products
- Easy wireless setup through integrated site survey function
- Supports WEP and WPA (TKIP and AES) data encryption
- Supports MAC filtering for wireless clients
- Supports Access Point mode and WDS (Wireless Distribution System) mode
- Integrated 10/100 Mbps LAN switch with Auto MDI/MDI-X support
- Easy Internet setup through WAN connection wizard
- DHCP server assigns IP addresses for all LAN users
- Supports virtual server, port forwarding and DMZ (demilitarized zone)
- Supports DDNS (dynamic DNS)
- Supports UPNP (Universal Plug and Play)
- VPN server (PPTP) supports five connections simultaneously
- Supports VPN pass-through (IPSec, PPTP, L2TP)
- 94 Mbps WAN to LAN throughput for wire networks
- Supports QoS (Quality of Service) bandwidth management
- Integrated anti-DOS firewall
- WOL (Wake-On LAN) function sends a wakeup signal to any computer in the LAN
- Integrated scheduler to limit Internet access to client computers in the LAN
- Content control through URL and domain filter
- Remote management function (enable/disable and management port)
- Easy installation through Web-based user interface
- Firmware updates via Web-based user interface
- Lifetime Warranty

## Specifications

### STANDARDS

- IEEE 802.11b (11 Mbps Wireless LAN)
- IEEE 802.11g (54 Mbps Wireless LAN)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)

### GENERAL

- LAN ports: 4 RJ-45 10/100 Mbps data ports
- LAN ports with Auto MDI/MDI-X
- LAN to WAN throughput: 94 Mbps
- Flash: 2 MB
- Memory: 16 MB SDRAM
- Certifications: FCC Class B, CE Mark, RoHS

### ROUTER

- Chipset: KS8695PX (ARM9 CPU)
- Supported WAN connection types:
  - Dynamic IP (DHCP for cable service)
  - Static IP
  - PPPoE (for DSL)
- Protocols:
  - CSMA/CA
  - CSMA/CD
  - TCP/IP
  - UDP
  - ICMP
  - PPPoE
  - NTP
  - NAT (network address translation)
  - DHCP
  - DNS
- NAT:
  - Virtual server
  - Port forwarding
  - Special applications (port trigger)
  - DMZ (demilitarized zone)
- Firewall:
  - Access control based on MAC address
  - Domain blocking
  - URL filter
- Supports UPNP (Universal Plug and Play)
- Supports DHCP (client/server)
- Supports PPPoE (DSL), DHCP (cable) and static IP
- Supports VPN PPTP pass-through
- Certifications: FCC Class B, CE Mark, RoHS

### WIRELESS

- Chipset: Ralink 2561ST
- Wireless frequency range: 2.412 – 2.484 GHz
- Modulation technologies:

- 802.11b: Direct Sequence Spread Spectrum (DSSS): DBPSK, DQPSK, CCK
- 802.11g: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
- Channels:
  - USA & Canada: 11 channels
  - Europe: 13 channels
  - Japan: 14 channels
- Data rates:
  - IEEE 802.11b (11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps)
  - IEEE 802.11g (54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps)
- Output power:
  - OFDM: 17 dBm +/- 1 dBm (54 Mbps, 50 mW max.)
  - CCK: 17 dBm +/- 1 dBm (11 Mbps, 50 mW max.)
- Receiver sensitivity: -65 dBm (54 Mbps); -78 dBm (11 Mbps)
- Maximum coverage distance: 100 m / 300 ft. (indoor), 300 m / 900 ft. (outdoor)
- Wireless security:
  - WEP encryption (64/128 bit)
  - WPA (TKIP and AES)
  - Client access control through media access control (MAC) filter
- Antenna: single detachable dipole antenna with RP-SMA connector, 2 dBi gain

### LEDs

- Power
- OP (operational status)
- Power Line Link/Act
- WLAN Link/Act
- WAN Link/Act
- LAN 1-4 Link/Act

### ENVIRONMENTAL

- Dimensions: 164 (W) x 108 (L) x 30 (H) mm (6.5 x 4.3 x 1.2 in.)
- Weight: 1.25 kg (2.7 lbs.)
- Operating temperature: 0 – 55°C (32 – 122°F)
- Operating humidity: 10 – 95% RH, non-condensing
- Storage temperature: 0 – 60°C (0 – 149°F)

### POWER

- External power adapter: 7.5 V DC, 1.5 A

### PACKAGE CONTENTS

- Wireless G Broadband Router
- User manual
- Power cord
- Ethernet Cat5 RJ-45 cable, 0.8 m (2.6 ft.)

For more information on INTELLINET NETWORK SOLUTIONS products, consult your local dealer or visit [www.intellinet-network.com](http://www.intellinet-network.com).

  
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