



## Wireless G Broadband Router

54 Mbps Wireless 802.11g, 4-Port 10/100 Mbps LAN Switch

Part No.: **503693**

Create a wireless network easily in your home or office.

The INTELLINET NETWORK SOLUTIONS Wireless G Broadband Router, Model 503693, 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 four-port 10/100 LAN switch so you can connect using network cable or go 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, WPA and WPA2 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.

### 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.

### Features:

- Compatible with all common DSL and cable Internet service providers
- 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/WPA2 (TKIP and AES) data encryption
- Supports Wi-Fi Protected Setup (WPS)
- Supports WMM function to meet the multi-media data bandwidth requirement
- 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
- DHCP server assigns IP addresses for all LAN users

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

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- Supports DDNS (dynamic DNS)
- 68 Mbps WAN to LAN throughput for wired networks
- Integrated anti-DoS firewall
- Content control through URL, IP and Port 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 802.1d (Spanning Tree Protocol)
- IEEE 802.1x (Wireless User Authentication)
- 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: 68 Mbps
- Certifications: FCC Class B, CE Mark, RoHS

### Router

- Chipset: Realtek RTL8186
- 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:
  - Port forwarding
- Firewall:
  - Port filter
  - IP filter

- Access control based on MAC address
- URL filter
- DMZ (demilitarized zone)
- Anti-ARP Cheating
- Supports UPNP (Universal Plug and Play)
- Supports DHCP (client/server)
- Supports PPPoE (DSL), DHCP (cable) and static IP
- Supports VPN PPTP, L2TP and IPsec pass-through

#### Wireless

- Chipset: RTL8225
- 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
- Number of channels: 11
- 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: 15 dBm +/- 1 dBm (54 Mbps, 50 mW max.)
  - CCK: 15 dBm +/- 1 dBm (11 Mbps, 50 mW max.)
- Maximum coverage distance: 100 m / 300 ft. (indoor), 300 m / 900 ft. (outdoor)
- Wireless security:
  - WEP encryption (64/128 bit)
  - WPA (TKIP and AES)
  - WPA2 (TKIP and AES)
  - Client access control through media access control (MAC) filter
- Antenna: single dipole antenna, 2 dBi gain

#### LEDs

- Power
- CPU (operational status)
- WL (Wireless)
- WAN Link/Act
- LAN 1-4 Link/Act

#### Environmental

- Dimensions: 169 (W) x 108 (L) x 180 (H) mm (6.6 x 4.3 x 7.0 in.)
- Weight: 0.8 kg (1.8 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: 9.0 V DC, 0.8 A

- Power consumption: 6.3 Watts max.

#### Package Contents

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

