



**INTELLINET**  
NETWORK SOLUTIONS

BRINGING NETWORKS TO LIFE



# Wireless Super G Router

**Up to 10x Faster Than 802.11b, and 2x Faster Than 802.11g Routers!**

Model  
502566

The INTELLINET NETWORK SOLUTIONS Wireless Super G Router provides a 108 Mbps network data-transfer rate and is fully compatible with 802.11b and 802.11g wireless products. The built-in 4-Port Fast Ethernet LAN switch and Firewall make this router the perfect all-in-one Internet access-sharing device for your home or office.

## Increased Throughput

This router is capable of supporting a network data-transfer rate of up to 108 Mbps when used with other Wireless Super G PC Cards, PCI Cards and USB adapters.\* The Wireless Super G Router will automatically sense the speed of the connecting computer, and allow it to transfer data at the optimum speed.

## Wireless Network Security

The built-in firewall includes many features to ensure that the security of your network is not compromised through the wireless access point. You can restrict users from accessing certain Internet applications, you can block access to Web sites and you can also block common hacker attacks using the Intrusion Detection feature. The router also provides advanced security encryption and decryption using industry-standard techniques such as WEP, IEEE 802.11x, IEEE 802.11x with WEP, WPA with pre-shared key and WPA with RADIUS, further ensuring that your data is secure as it is sent through the wireless network.

## Wired or Wireless

The Wireless Super G Router includes four Fast Ethernet LAN ports, allowing you to attach computers or network printers to the network using Cat5 network cable. So you can have some users connecting via wireless and other users connecting via wired, all from the same device.

## 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.



\* Actual data throughput will vary. Network conditions and environmental factors — including volume of network traffic, building materials and construction — and network overhead affect the actual data throughput rate.



**LIFETIME WARRANTY**

**Model 502566**

## Features

- 108 Mbps network data-transfer rate
- Fully IEEE 802.11g and 802.11b standards compliant
- Built-in 4-Port Fast Ethernet LAN Switch
- Dual antennas for enhanced coverage (one internal and one external)
- NAT/NAPT IP Sharing
- Anti-DoS Firewall
- Virtual Server/DMZ
- Supports IP filter and protocol filter
- Supports 64/128-bit Key Length WEP Encryption
- Supports WPA-PSK, WPA-RADIUS, WPA2 Security
- Supports DDNS (DynDNS, TZO)
- VPN Pass Through (IPSec/PPTP)
- Obtain WAN IP by PPoE/Static IP/PPTP/DHCP
- DHCP Server
- Web User Interface (Remote Configuration)
- System Status
- Security Log
- Lifetime Warranty

## Specifications

### STANDARDS

- IEEE 802.11b Wireless LAN
- IEEE 802.11g Wireless LAN
- IEEE 802.3/IEEE 802.3u Fast Ethernet
- ANSI/IEEE 802.3 Auto negotiation

### GENERAL

- Data Rate 802.11b: 1, 2, 5.5, 11 Mbps (auto sense)
- Data Rate 802.11g: 6, 9, 12, 18, 24, 36, 48, 54, 108 Mbps (auto sense)
- Wireless Frequency Range: 2412-2484 MHz ISM band (channels 1-14)
- Security: 64/128-bit WEP Data Encryption, WPA (TKIP with IEEE 802.1x) and WPA2 (AES with IEEE 802.1x)
- WAN Port: One 10/100 Mbps RJ-45 connector
- LAN Ports: Four 10/100 Mbps RJ-45 connectors
- Antenna: Dual diversity antennas with one internal printed antenna and one external 2 dBi Gain dipole antenna
- Transmit Power: 15 dBm  $\pm$  2 dBm (for both 802.11b/g)
- Power: 5 V DC, 2.5 A External Power Adaptor
- Certification: FCC Part 15.247 for U.S., ETS 300 328 for Europe

### RADIO TECHNOLOGY

- Direct Sequence Spread Spectrum (DSSS)
- Orthogonal Frequency Division Multiplexing (OFDM)

### RECEIVER SENSITIVITY

- 54 Mbps: Typical - 70 @ 10% Packet Error Rate (PER)
- 11 Mbps: Typical - 85 @ 8% Packet Error Rate (PER)

### WIRELESS RANGE COVERAGE

(Environmental factors may adversely affect wireless signal range)

- Indoor: Up to 50 meters (164 ft.)
- Outdoor: Up to 200 meters (656 ft.)

### DIAGNOSTIC LEDS

- Power
- System
- WAN: (Link, ACT)
- WLAN: (Link, ACT)
- LAN: (Link/ACT)

### PHYSICAL SPECIFICATIONS

- Dimensions: 147 W x 35 H x 115 D mm (5.8 x 1.4 x 4.5 in.)
- Weight: 226.8 g (8 oz.)
- Operating Temperature: 0 - 40°C (32 - 104°F)
- Storage Temperature: -10 - 70°C (14 - 158°F)
- Humidity: 10 - 95% (noncondensing)

### SYSTEM REQUIREMENTS

- Broadband (cable, DSL) Internet service and modem with Ethernet connection
- 2.4 GHz 802.11b/g wireless adapter (or an Ethernet adapter and cable for each computer)
- PC with a Web-Browser (Internet Explorer 4.0 or higher or Netscape Navigator 4.7 or higher)

### PACKAGE CONTENTS

- Wireless Super G Router
- Removable RP-SMA Antenna
- Setup CD and User Manual
- External Power Adapter
- RJ-45 Ethernet Cable (6 ft./1.8 m)

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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