



# Wireless G PC Card

**Get the most from your wireless network for your notebook.**

**Model**  
505314

The INTELLINET NETWORK SOLUTIONS™ Wireless G PC Card is a compact high-speed adapter that allows you to connect your notebook to wireless networks at faster speeds than before. Now you can transfer or receive digital images, videos and MP3 files faster than ever, connecting to the wireless network with link speeds of up to 54 Mbps using proven and reliable Wireless G technology. This PC card is compatible with 802.11b and 802.11g wireless access points and wireless routers, giving you the flexibility to start upgrading your wireless network without the need to replace your existing equipment.

## Increased Throughput

The Wireless G PC Card supports up to 54 Mbps network link speed,\* providing you with optimum throughput for your data networking applications. Whether you are downloading music, images or large text files, the Wireless G PC Card, with its WMM-enhanced (IEEE 802.11e QoS standard) multimedia support, will optimize the performance of your wireless network, allowing you to spend your time more productively.

## Wireless Network Security

The Wireless G PC Card provides advanced security encryption and decryption using industry standard techniques such as 64/128-bit WEP, WPA (TKIP with IEEE 802.1x) and WPA2 (AES with IEEE 802.1X), ensuring that your data is secure as it is sent through the wireless network.

## Convenient Setup

The Wireless G PC Card features an attractive and compact design that allows you to carry it with you wherever you go. And since it supports 802.11b and 802.11g, you can connect to a network at any public wireless hotspot. Whether you are home or at work, at an airport or at an Internet café, simply plug the adapter into an available PC card slot on your notebook and instantly start enjoying wireless connectivity.\*\*

## Compatible with 802.11b and 802.11g

This product is fully compatible with the IEEE 802.11b and 802.11g standards and can be used to connect to existing 802.11b/g routers and wireless access points, allowing you connect to other networks as you use your laptop outside the home or office.

## 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 — lower the actual data throughput rate.

\*\* Environmental factors may adversely affect wireless signal range.





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## Features

- Connects your notebook to a wireless network
- Up to 54 Mbps network data transfer rate
- Turbo Mode technology for enhanced wireless throughput
- Supports WEP (64/128 bit), WPA and WPA2 data encryption
- Supports Software AP function (turns your wireless client into a wireless access point)
- Supports WMM (Wi-Fi Multimedia) for increased multimedia data throughput
- Windows 98SE/2000/Me/XP/Vista compatible
- 32-bit Cardbus PC card
- Lifetime Warranty

## Specifications

### STANDARDS

- IEEE 802.11b (11 Mbps Wireless LAN)
- IEEE 802.11g (54 Mbps Wireless LAN)
- IEEE 802.1X (RADIUS Authentication)

### GENERAL

- Bus type: 32-bit PC card
- Chipset: Ralink RT256x
- Frequency band: 2.4000 – 2.4835 GHz (Industrial Scientific Medical Band)
- Modulation technologies:
  - 802.11b: Direct Sequence Spread Spectrum (DSSS): DBPSK, DQPSK, CCK
  - 802.11g: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
- Security:
  - 64/128-bit WEP data encryption
  - WPA and WPA2
  - IEEE 802.1X Radius Authentication
  - Cisco CCX
- Transmit power:
  - 54 Mbps OFDM, 15 dBm +/- 1 dBm
  - 11 Mbps CCK, 18 dBm +/- 1 dBm
- Maximum coverage distance: 100 m / 328 ft. (indoor), 300 m / 980 ft. (outdoor)
- Certification: FCC Class B, CE Mark

### LEDs

- Link; TX/RX

### SYSTEM REQUIREMENTS

- Notebook with Pentium 300 MHz-compatible processor or higher
- Windows 98SE/Me/2000/XP/2003/Vista, Linux and MacOS X
- WPA2 encryption requires Windows 2000/XP/2003/Vista
- Available 32-bit PC card slot

### ENVIRONMENTAL

- Weight: 0.18 kg (0.4 lbs.)
- Operating temperature: 0 – 40°C (32 – 104°F); storage temperature: 0 – 70°C (0 – 158°F)
- Operating humidity: 10 – 95% RH, non-condensing

### PACKAGE CONTENTS

- Wireless G PC Card
- Setup CD and user manual

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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