



INTELLINET
NETWORK SOLUTIONS

BRINGING NETWORKS TO LIFE



MIMO Wireless Turbo G PC Card

Model
502184

Get the Most from Your Wireless Network for Your Desktop PC.

The **MIMO Wireless Turbo G PC Card** is a 32-bit PC Card adapter that allows you to connect your notebook PC to wireless networks at farther distances than before. Not only is the connection distance enhanced, but the number of dead spots in the network will also be reduced. This 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.

Improved Connectivity

The **MIMO Wireless Turbo G PC Card** utilizes MIMO XR™ (Multi-In, Multi-Out) antenna technology, and when used with the MIMO Wireless Turbo G Router allows you greater flexibility in choosing a location for your desk or office. The built-in Smart Antenna technology includes two antennas for signal reception, and a third one for high-power signal transmission, effectively eliminating dead spots and automatically adjusting for interference caused by cordless phone users, etc. Customers using MIMO technology can typically expect to increase the range of their wireless network connections 10 times the distance of standard wireless G products.*

Increased Throughput

The **MIMO Wireless Turbo G PC Card** is capable of utilizing the Turbo Mode feature to provide higher data throughput than the IEEE 802.11g standard. Turbo G Mode is turned on automatically when connecting to a MIMO Wireless Turbo G Router, and can increase your actual throughput from 20 Mbps to 35 Mbps.**

Wireless Network Security

The **MIMO Wireless Turbo G PC Card** provides advanced security encryption and decryption using industry-standard techniques such as 64/128-bit WEP, WPA (TKIP with IEEE 802.11x) and WPA2 (AES with IEEE 802.11x), ensuring that your data is secure as it is sent through the wireless network.

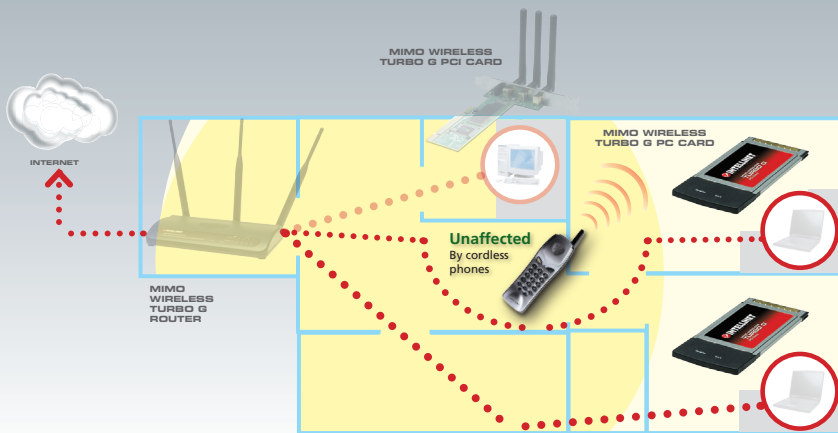
Lifetime Warranty

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.

*Environmental factors may adversely affect wireless signal range.

**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.





LIFETIME WARRANTY

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Features

- Connects your notebook PC to a wireless network
- MIMO XR™ technology for enhanced wireless coverage
- Packet-OVERDRIVE™ Turbo Mode technology for enhanced wireless throughput
- Internal Smart Antenna with Two RX and One TX
- 54 Mbps network data transfer rate
- Compatible with both IEEE 802.11b and IEEE 802.11g products
- Supports WMM (IEEE 802.11e QoS standard), prioritizing bandwidth for multi-media applications
- Supports 64/128-bit WEP, WPA (TKIP with IEEE 802.11x) and WPA2 (AES with IEEE 802.11x), providing a high level of security
- Supports CCX 2.0 (Cisco Compatible Extensions) for radio monitoring and fast roaming

Specifications

GENERAL

- Standards: IEEE 802.11b, IEEE 802.11g, 2.4 GHz
- Bus Type: 32-bit PC Card
- Chipset: Ralink RT2600
- Frequency Band: 2.4000 ~ 2.4835 GHz (Industrial Scientific Medical Band)
- Modulation: OFDM with BPSK, QPSK, 16QAM, 64QAM (11g) BPSK, QPSK, CCK (11b)
- Data Rate: 54/48/36/24/18/12/11/9/6/5.5/2/1 Mbps auto fallback
- Effective Throughput: 35 Mbps with Packet-OVERDRIVE™ Turbo Mode
- Security: 64/128-bit WEP Data Encryption, WPA (TKIP with IEEE 802.11x) and WPA2 (AES with IEEE 802.11x)
- Antenna: Smart Antenna with Two RX and One TX
- Transmit Power: 18 dBm ± 2 dBm
- Receive Sensitivity:
 - 54 Mbps OFDM, 10% PER, -79 dBm
 - 11 Mbps CCK, 8% PER, -90 dBm
 - 11 Mbps BPSK, 8% PER, -95 dBm
- Certification: FCC Class B, CE Mark, C-Tick

PHYSICAL SPECIFICATIONS

- Dimensions: 0.31 H x 4.64 W x 2.12 D in. (8 x 118 x 54 mm)
- Weight: .04 kg (1.4 oz.)
- Temperature: 0 ~ 55° C (32 ~ 131°F)
- Humidity: Max. 95% (Non-Condensing)

SYSTEM REQUIREMENTS

- Notebook PC with Pentium 300 MHz compatible processor or higher
- Windows 98SE/Me/2000/XP XP/ XP64, Mac OS and Linux
- Available PC Card Type II slot
- Compatible with all 802.11g/b compliant wireless products
- Enhanced performance available when used with INTELLINET NETWORK SOLUTIONS MIMO Wireless Turbo G Router

PACKAGE CONTENTS

- MIMO Wireless Turbo G PC Card
- Quick Installation Guide
- Setup CD and User Manual



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For more information on INTELLINET NETWORK SOLUTIONS products, consult your local dealer or visit www.intellinet-network.com.

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