



## MIMO Wireless Turbo G PCI Card

Extend the Wireless range of your desktop computer

Part No.: **502191**

EAN-13: 0766623502191 | UPC: 766623502191

---

Get the most from your wireless network for your desktop PC.

The MIMO Wireless Turbo G PCI Card is a 32-bit PCI Card adapter that allows you to connect your desktop 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 PCI 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 PCI Card utilizes MIMO XR (multiple in multiple out) antenna technology, and when used with the Wireless Turbo G with MIMO Router, allows you greater flexibility in choosing a location for your desk or office. The Smart Antenna technology includes two external 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<sup>1</sup>.

### Increased Throughput

The MIMO Wireless Turbo G PCI Card is capable of utilizing the Packet-OVERDRIVE 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 Wireless Turbo G with MIMO Router and can increase your actual throughput from 20 Mbps to 35 Mbps<sup>2</sup>.

### Wireless Network Security

The MIMO Wireless Turbo G PCI Card provides advanced security encryption

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

#### Lifetime Warranty

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

1) Environmental factors may adversely affect wireless signal range.

2) 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.

#### Features:

- Connects your desktop PC to a wireless network
- MIMO XR technology for enhanced wireless coverage
- Packet-OVERDRIVE Turbo Mode technology for enhanced wireless throughput
- Two antennas for signal reception
- One antenna for high power signal transmission
- 54 Mbps network data transfer rate
- Lifetime Warranty

#### Specifications:

##### General

- Standards: IEEE 802.11b, IEEE 802.11g, 2.4 GHz
- Bus Type: 32-bit PCI 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 802.1x) and WPA2 (AES with IEEE 802.1x)
- Antenna: Three RP-SMA detachable antennas
- Transmit Power: 18 dBm  $\pm$  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: 19(H) x 130 (W) x 121 (D) mm  
.75(H) x 5.11(W) x 4.76(D) in.
- Weight: .09 kg (3.0 oz.)
- Temperature: 0 ~ 55° C (32 ~ 131°F)
- Humidity: Max. 95% (Non-Condensing)

### System Requirements

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

### Package Contents

- MIMO Wireless Turbo G PCI Card
- Three antennas
- Quick Start Guide
- Setup CD and User Manual



