

HWPG1

Wireless 802.11g PCI Network Card



PACKAGE CONTENTS:

- ◆ One Wireless-G PCI Network Card
- ◆ One CD (Driver/Utility/User's Manual)
- ◆ One Dipole Antenna
- ◆ One Quick Installation Guide

Go Wireless! Instantly Add Wireless Networking to Your Desktop!

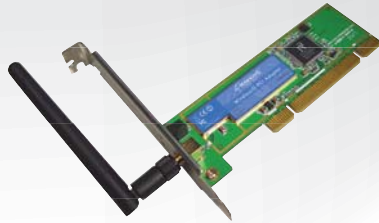
Fast and Easy way to upgrade your wired desktop PC into a wireless PC - Freedom to rearrange your PC anywhere without running messy ethernet cables around your house or work space. With data transfer speeds of up to 54Mbps, the HWPG1 Wireless-G PCI Card allows seamless connectivity to any wireless 802.11b or 802.11g networks. The HWPG1 also supports Turbo Mode to enhance the data transfer speed with a specific network. While speeds and flexibility are important, security is also a major concern for many wireless users. The HWPG1 is engineered with high level of security encryptions to protect your personal data from outside intruders. It comes with 64/128-bits WEP, WPA, and WPA2. The automatic fallback function also increases data security.

Installation is quick and easy - insert the CD driver and follow the setup wizard. Within minutes, your computer is up and ready to connect via wireless connection. For extended wireless range, the HWPG1 is compatible with the Hi-Gain Range extending antennas and can easily be upgraded.

System Requirements

- ◆ Pentium Compatible CPU or Higher Processor
- ◆ Windows 98SE, ME, 2000, XP
- ◆ One Available PCI slot in your desktop computer
- ◆ Wireless 802.11b or 802.11g Network

HWPG1



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Two Year Warranty

RELATED PRODUCTS:

HWR54G	Wireless-G Router
HAI75MD	7dBi Mini Directional Antenna
HAI8DD	8dBi Directional Dish Antenna

SPECIFICATIONS:

Network Specifications

- ◆ IEEE 802.11b WLAN Standard
- ◆ IEEE 802.11g WLAN Standard

Wireless Speed

- ◆ 54/48/36/24/12/11/9/6/5.5/2/1 Mbps Auto Fall Back

Operating Systems

- ◆ Microsoft Windows 98SE, 2000, ME, XP

Frequency Range

- ◆ 2.412Ghz - 2.462GHz

Host Interface

- ◆ 32-bit PCI 2.2

Power Requirements

- ◆ Operating Voltage: 3.3V
- TX: 460mA (Max), RX: 310mA (Max)

Security

- ◆ 64 / 128-bit WEP Data Encryption, WPA (TKIP with IEEE 802.11x), WPA2 (AES with IEEE 802.1x)

Modulation Techniques

- ◆ OFDM with BPSK, QPSK, 16QAM, 64QAM(11g)
- ◆ BPSK, QPSK, CCK (11b)

Antenna

- ◆ 2dBi Removable Dipole Antenna (RP-SMA)

LEDs

- ◆ Tx/Rx, Link

Transmit Power

- ◆ 16dBm ~ 18dBm

Receive Sensitivity

- ◆ 54Mbps OFDM, 10% PER, -70dBm
- ◆ 11Mbps CCK, 8% PER, -86dBm
- ◆ 11Mbps BPSK, 8% PER, -92dBm

Dimension (HxWxD)

- ◆ 19 x 130 x 121 mm

Humidity

- ◆ Max. 95% (Non-Condensing)

EMI Conformance

- ◆ FCC part 15 Class B, CE Mark

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READY, NETWORK AND GO!

Step 1 - Install Utility and Driver

Insert the CD. The set up wizard will guide you through the software and driver installations.

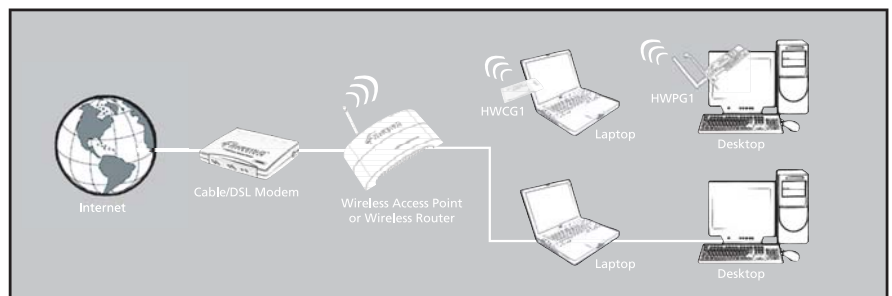
Step 2 - Insert the PCI Card

Remove the case from your desktop PC. Insert the Wireless Network Adapter into an available PCI slot on your motherboard, then screw in the antenna to the back of the card.

Step 3 - Put back the case and power up your PC.

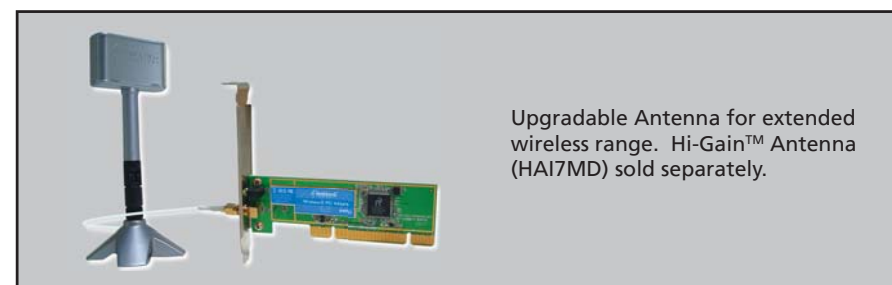
Follow the Found new Hardware Wizard and complete the set up procedure.

NETWORK DIAGRAM



FEATURES

- ◆ Works with both IEEE 802.11b and IEEE 802.11g products
- ◆ High-speed transfer data rate - up to 54Mbps
- ◆ Supports Turbo Mode to enhance the data transfer speed within the specific wireless network
- ◆ Supports WMM function to meet the multi-media data bandwidth requirement.
- ◆ High-level security encryption: 64/128-bits WEP, WPA (TKIP with IEEE 802.1x), WPA (AES with IEEE 802.1x).
- ◆ Automatic fallback increases data security and reliability.
- ◆ Greater flexibility to locate or move networked PCs.
- ◆ Easy to install and user friendly.
- ◆ Supports Win98SE/ME/2000/XP Operating Systems
- ◆ Working range up to 800 ft. in an open environment. Upgradeable with Hawking's Hi-Gain 24 Series Range Extending Wireless Antennas.



Upgradable Antenna for extended wireless range. Hi-Gain™ Antenna (HAI7MD) sold separately.