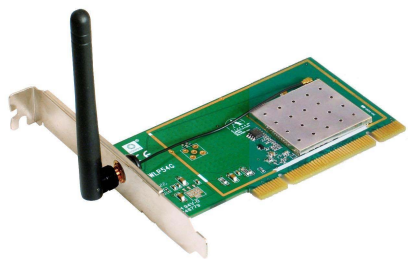


iWavePort WLP54G

WIRELESS-G 54Mbps NETWORK PCI ADAPTER



- ◆ **Embedded Atheros technology for network robustness & stability**
- ◆ **Speed of up to 54Mbps**
- ◆ **Advanced Data Security Encryption and Authentication features**
- ◆ **Integrated SMA connector for easy integration with external antenna**

The *iWavePort* WLP54G, a 54Mbps Wireless LAN PCI Adapter, is a cost-effective wireless solution for desktop users. With its support of data security encryption using TKIP and AES with standard authentication, WLP54G ensures secure wireless LAN communications for both SOHO mobile users and Enterprise wireless users. The client manager provides an easy platform for users to configure their wireless network using the profile management tool. The *iWavePort* WLP54G is designed with an SMA-type connector that connects to the optional Indoor Range Extenders for improved wireless coverage. This is the ideal product to allow your desktop to connect to any router or access point for convenient wireless connectivity.

Security

Besides the support of 64/128/152-bit WEP (Wired Equivalent Encryption), the *iWavePort* WLP54G wireless-G PCI adapter supports standard wireless security encryption and authentication to ensure that data transmissions remain secure in the wireless network. Only wireless clients that are successfully authenticated will be able to retrieve the encrypted data. The support of Advanced Encryption Systems (AES) and TKIP ensures full compatibility with the future wireless security standard IEEE 802.11i.

Networking Modes

iWavePort WLP54G supports networking infrastructure mode. In infrastructure mode, clients communicate with each other through an access point.

Profile Management

The wireless LAN adapter allows the user to configure different profiles, so that the same wireless card can operate in different wireless networks by simply changing the profile.

Reliable Operations

The *iWavePort* WLP54G is IEEE 802.11g compliant and is able to interoperate with other wireless network devices built on the same standard. It is also backward compatible with IEEE 802.11b devices. In addition, the dynamic rate shifting capability ensures reliable wireless connectivity and allows automatic selection of the optimum connection speed to any wireless LAN device or access point.

Supports External Antenna

iWavePort WLP54G comes with SMA connector and antenna. With SMA connector it can be easily changed to longer range antenna. Optional *iWavePort* Indoor Range Extender allows wider coverage and better performance when used together with the *iWavePort* WLP54G.

iWAVEPORT WLP54G

TECHNICAL SPECIFICATIONS

STANDARDS

- IEEE 802.11g
- IEEE 802.11b
- IEEE 802.11
- IEEE 802.3u

SPEED

Up to 54Mbps with eXtended Range

WIRELESS FREQUENCY RANGE

IEEE 802.11g	2.412 ~ 2.462 GHz
IEEE 802.11b	2.412 ~ 2.484 GHz

WIRELESS OPERATING RANGE

IEEE 802.11g	80m (outdoor) 20m (indoor)
IEEE 802.11b	400m (outdoor) 100m (indoor)

*Subject to environmental conditions.

NETWORK INTERFACE

PCI 2.3 compatible

DEVICE MANAGEMENT

- Web based – Internet Explorer v6 or later; Netscape Navigator v6 or later; or other java-enabled browsers

MODULATION TECHNIQUES

BPSK, QPSK, 16 QAM, 64QAM, DBPSK, DQPSK, CCK

RECEIVER SENSITIVITY

6Mbps to 24Mbps @ -88dBm
Data rate > 24Mbps @ - 68dBm

OPERATING CHANNELS

US and Canada	11 Channels
Europe	13 Channels
Japan	14 Channels

SECURITY

- 64/128/152-bit WEP
- TKIP, AES

ANTENNA TYPE

RP-SMA Omni 2dBi.

MINIMUM SYSTEM REQUIREMENTS

Windows XP, 2000, ME, 98SE

LED INDICATORS

Power, Diagnostic, Link, LAN, Wireless Signal

WIRELESS TRANSMIT POWER

IEEE 802.11g	19 dBm (+1.0dBm/ -1.5dBm)
IEEE 802.11b	20 dBm (+1.0dBm/ -1.5dBm)

TEMPERATURE

Operating 0°C to 70°C

CERTIFICATION

Emissions: FCC Part 15 Sub Class B and Class C, CE R&TTE

DIMENSIONS & WEIGHT

Dimensions	1.6 x 120 x 64.5mm
Weight	70 grams

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