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DATA SHEET

iWavePort WL54G **802.11g 54 Mbps Wireless Cardbus Card**

The Compex 54Mbps Wireless LAN PC card, *iWavePort WL54G* is an ideal solution for the mobile wireless users as it is small in size, light in weight and low in power consumption. It has a maximum coverage of up to 400m in an outdoor environment. The *iWavePort WL54G* is able to enhance its data transfer up to five-times in a pure G wireless network and also to be able to inter-operate with legacy access point that are compliant with IEEE 802.11b standards. With the support of 64-bit or 128-bit WEP (Wired Equivalent Privacy), it provides security for wireless LAN communications. Using the configuration utility provides an easy platform for users to configure their wireless network.

Security

The *iWavePort WL54G* PC LAN card supports 64-bit or 128-bit WEP (Wire Equivalent Privacy) encryption thus ensure that data stays secured in the wireless network. Only wireless clients that are configured with the same WEP key will be able to retrieve the encrypted data.

Reliable Operations

iWavePort WL54G is IEEE 802.11g compliant and are able to inter-operate with other wireless network devices built on the same standard. In addition, the dynamic rate shifting capability allows automatic selection of optimum connection speed (54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 11Mbps, 9Mbps, 6Mbps, 5.5Mbps, 2Mbps or 1Mbps) to any wireless LAN devices or access points.

Management & Monitoring

The Compex wireless LAN monitoring utility software enables users to monitor the signal strength and the connection speed of *iWavePort WL54G*. It also provides a interface for the easy configuration of *iWavePort WL54G* PC LAN card.

Advanced Features

Compex *iWavePort WL54G* uses direct sequence spread spectrum (DSSS), Orthogonal Frequency Division Multiplexing (OFDM) technology, and implements DBPSK, DQPSK and CCK modulation. This gives a very robust radio channel, which is made even better by the excellent receiver sensitivity and delay spread robustness.

Wireless

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Features and Benefits

Feature	Benefit
IEEE 802.11g Compliant	IEEE 802.11g compliant ensures reliable operation even in long range or noisy environment and also inter-operable with other devices that are designed based on IEEE802.11b standard.
Faster Data Throughput	Able to operate at up to five-times faster data transfer than any IEEE 802.11b compliant devices.
Wider Coverage	Provides a wider coverage up to 400m to the wireless users.
64 - bit / 128 - bit WEP (Wire Equivalent Privacy)	Wireless encryption ensure your data are safe wherever you are.
Convenience	With its small size, light weight and low power consumption, it is suitable for wireless users to carry and use anywhere.

Specifications

Industrial Standards
IEEE 802.11g (Draft) &
IEEE 802.11b
PCMCIA 2.1/JEIDA 4.1
specifications

Performance
Network speeds dynamically shift
between 1, 2, 5.5,
11,12,18,24,36,48,54 Mbps
Indoor : 20m (54 Mbps)
Outdoor: 80 m (54 Mbps)

Frequency Range
2.4 ~ 2.497 GHz; Card supports
Direct Sequence Spread Spec-
trum (DSSS) and Orthogonal
Frequency Division Multiplexing
(OFDM).

Security
64 - bit / 128 - bit WEP

Operating Channels
14 channels

Power Requirements
Operating Voltage (min) : 3V
Current Ratings: 439mA (TX),
412mA(RX), 37.5mA (Standby)

Electromagnetic Emissions
EN61000-3-2

Electromagnetic Immunity
EN50082-1

**Drivers / Operating System
Supported**
Windows 98SE, ME, 2000, XP

Environment Requirements

Operating Temperature:
0°C to 60°C
Storage Temperature:
-15°C to 75°C
Operating Humidity:
5%to 95% relative humidity
non-condensing
Storage Humidity:
5%to 95% relative humidity
non-condensing

Dimensions

Height:5 mm (0.20 inches)
Width:59.90 mm (2.36 inches)
Depth:118.5 mm (4.67 inches)

Weight:
Less than 75g

Ordering Information

54Mbps Wireless CardBus Card

WL54G (For US, Europe and Asia)

Complex Systems Pte Ltd. 135 Joo Seng Road, #08-01 PM Industrial Building, Singapore.
Tel : (65)6286-2086 Fax : (65)6280-9947

Complex Inc, USA. 4051 E. La Palma Ave., Anaheim, CA 92807, USA.
Tel : (714)630-7302 Fax : (714)630-7302

ReadyLINK Networktechnology GmbH. Albert-Einstein-Strabe, 34/M21, 63322 Rodermark, Germany.
Tel : 49(6074)98017 Fax : 49(6074)90668

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