

iWavePort WLP54AG (Super-AG)

WIRELESS SUPER-AG NETWORK PCI ADAPTER



- ◆ Atheros Super-AG technology for network robustness & stability
- ◆ Provides better throughput at 802.11a (5GHz)
- ◆ Speed of up to 108Mbps
- ◆ Supports WPA-EAP, WPA-PSK and WEP security features
- ◆ Integrated SMA connector for easy integration with external antenna

The Complex iWavePort WLP54AG (Super-AG), is integrated with the Atheros® Super-AG technology which delivers a speed of up to 108Mbps and provides higher throughput at 802.11a (5GHz) vs 802.11g's congested 2.4GHz band. WLP54AG (Super-AG) is compatible with wireless 802.11a/b/g networks to ensure that you can be connected effortlessly.

Bandwidth needs in the home are increasing rapidly with the introduction of new devices and services. As broadband infrastructure becomes more common in homes, the demand for multimedia services such as video streaming or VoIP will also increase. This will cause the already crowded 802.11g (2.4GHz) bandwidth to max its load. WLP54AG (Super-AG) makes use of the 802.11a band to avoid collision of bandwidth usage which allows users to be connected easily and effortlessly.

Connecting to a wireless LAN without adequate security measures generally opens up your shared folders to any casual snoopers. To protect your privacy, WLP54AG (Super-AG) is armed with many enhanced wireless security features such as Wi-Fi Protected Access (WPA), IEEE 802.1x Authentication and 64/128-bit WEP (Wired Equivalent Privacy) to ensure privacy for the heterogeneous mix of users within the same wireless LAN, while maintaining full access to the establishment's resources.

WLP54AG (Super-AG) comes with a management programme, uConfig, that provides an easy platform for users to configure their wireless network using the profile management tools. iWavePort WLP54AG (Super-AG) is also designed with an SMA-type connector that connects to the optional Complex Indoor Range Extenders for improved wireless coverage making WLP54AG (Super-AG) the ideal product to connect your desktop for convenient wireless connectivity.

Performance

WLP54AG (Super-AG) makes use of the 802.11a band which operates at 5GHz as well as the 802.11g band at 2.4GHz to provide better throughput so as to avoid network congestion and better connections for the network users.

Reliable Operations

The iWavePort WLP54AG (Super-AG) is IEEE 802.11a/b/g compliant and is able to interoperate with other wireless network devices built on the same standard. 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.

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.

Security

Besides the support of 64/128/152-bit WEP (Wired Equivalent Encryption), the iWavePort WLP54AG (Super-AG) supports wireless security standard - Wi-Fi Protected Access (WPA) to ensure that data transmissions remain secure in the wireless network. The support of Advanced Encryption Systems (AES) also ensures full compatibility with the future wireless security standard IEEE 802.11i.

External Antenna Support

The WLP54AG (Super-AG) comes with a built-in SMA connector with an external 2dBi antenna. An optional iWavePort Indoor Range Extender provides wider coverage and better performance when used together with the iWavePort WLP54AG (Super-AG).

iWAVEPORT WLP54AG (Super-AG)

TECHNICAL SPECIFICATIONS

STANDARDS

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

SPEED

Up to 108Mbps with eXtended Range

WIRELESS FREQUENCY RANGE

IEEE 802.11a	5 ~ 5.850GHz
IEEE 802.11g	2.412 ~ 2.462 GHz
IEEE 802.11b	2.412 ~ 2.484 GHz

WIRELESS OPERATING RANGE

IEEE 802.11a	85m (outdoor)
	20m (indoor)
IEEE 802.11g	80m (outdoor)
	20m (indoor)
IEEE 802.11b	400m (outdoor)
	100m (indoor)

*Subjected 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

802.11g	
US and Canada	11 Channels
Europe	13 Channels
Japan	14 Channels

802.11a	
US and Canada	13 Channels
Europe	19 Channels
Japan	10 Channels

SECURITY

- 64/128/152-bit WEP
- Wi-Fi Protected Access (WPA-EAP & WPA-PSK)

ANTENNA TYPE

SMA, 2dBi Detachable Antenna

MINIMUM SYSTEM REQUIREMENTS

Windows XP, 2000, ME, 98SE

LED INDICATORS

Power, Link, LAN, Wireless Signal

WIRELESS TRANSMIT POWER

IEEE 802.11a	17dBm (+1.0dBm/ -1.5dBm)
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



Compex Systems Pte Ltd
135 Joo Seng Road,
#08-01
PM Industrial Building
Singapore 368363

tel: (65) 6288 8220
fax: (65) 6280-9947
www.compex.com.sg

Compex Inc, USA.
840 Columbia Street,
Suite B Brea. CA 92821

tel: (714) 482 0333
fax: (714) 482-0332
www.cpx.com

