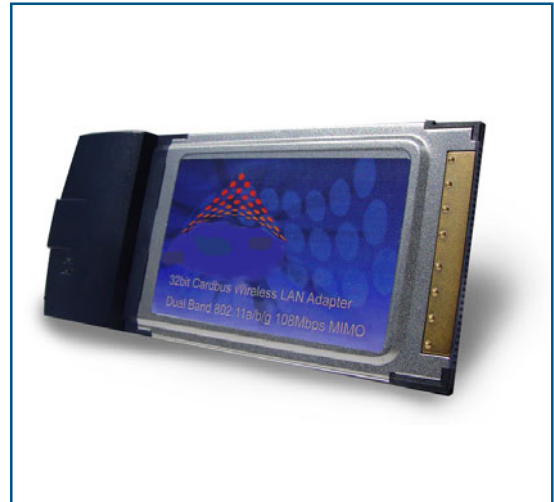


# AeroGuard™ AGN1023PC

## MIMO CardBus Adapter

The **AGN1023PC** is a totally new type of wireless Client for mobile computing. Designed around MIMO technology, the AGN1023PC completes SOHware's AeroGuard™ MIMO solution by maximizing range and capacity performance achievable with AeroGuard™ MIMO APs. Users experience stable connections at longer distances and at high data rates. Whether the Client needs to support bandwidth critical streaming applications, or simply improve FTP file transfer speeds, AGN1023PC is the best Client solution for business-class wireless networking.

For the first time, the promise of high performance, wide range wireless MIMO (Multiple Input/Multiple Output) networking is available. The AeroGuard™ AGN1023PC MIMO Adapter shatters all previous definitions of range, speed, and dual-band capabilities.



### Features and Benefits

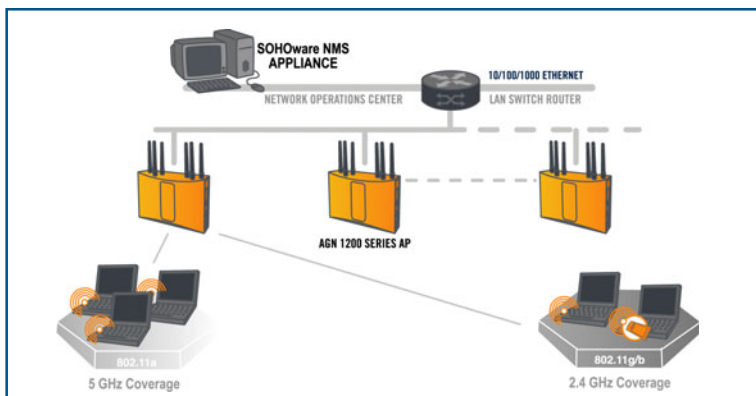
**Works Everywhere in Any Wi-Fi Network** - Supports dual band compatibility with IEEE 802.11a/b/g standards to take full advantage of AeroGuard™ MIMO AP performance, as well as function seamlessly with conventional 11a, 11b or 11g APs.

**Unparalleled Combination of Security and Performance** - AeroGuard™ MIMO technology offers an unprecedented rate advantage over conventional Wi-Fi Clients. Embedded WPA 2.0 style AES encryption combined with MIMO technology enables robust line speed performance that results in up to 6x range enhancement for secure wireless data at 108Mbps.

**Enterprise-class Security** - WPA and WPA2 with migration to 802.11i, with full AES encryption, 802.1x authentication, and 64/128 Bit WEP support.

**Advanced Quality of Service** - Full support for draft 802.11e EDCA (Wi-Fi Multimedia Enhancements) and 802.11e based hardware (HCF Scheduled Multimedia).

**Intuitive Client Utility** - Graphical interface includes complete setup options for security, RF and connectivity monitoring and configuration.



AGN1023PC MIMO Adapter seamlessly roams throughout an AeroGuard™ MIMO Enterprise network, in any Wi-Fi band.

# Specifications

## Interface

PCMCIA PC Card Standard, 32-bit CardBus

## Radio Characteristics

Frequency (MHz)	FCC: 2400-2484; 5150-5250; 5250-5350; 5725-5850 MHz ETSI: 2400-2484; 5150-5250; 5250-5350; 5470-5720 MHz TELEC: 2400-2484; 5150-5250 MHz		
Modulation Techniques	802.11a and 11g OFDM: (64QAM, 16 QAM, QPSK, BPSK, Airgo True MIMO™ modulation) 802.11b DSSS (CCK, DQSK, DBSK)		
Data Rates	802.11b: 1, 2, 5.5, 11 Mbps 802.11a, 802.11g modes: 6, 9, 12, 24, 36, 48, 54 Mbps Airgo True MIMO™ modes: 72, 96, and 108Mbps, within a single channel for both 2.4GHz and 5GHz bands		
Minimum Output Power (dBm)	Low Data Rate	High Data Rate	
	802.11b:	20	N/A
	802.11g:	20	17
	802.11a:	17	14

## Physical Specifications

Dimensions (mm - maximum)	Standard PC Card format (123.12 x 54.00 x 5.00; Height at endcap: 10.00)
Weight (gms)	60

## Operating Specifications

Operating Temperature Range	0C to +60C
Storage Temperature Range	-20 to +85 C
Operating Humidity Range	15% - 95%, non-condensing
Operating Voltage	3.3V

## Display

2 LEDs	Power Network Activity
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## Operating Systems

Windows 2000, XP

## Security

Authentication	802.1x EAP-TLS, EAP-TTLS, EAP-PEAP WPA
Encryption / Decryption	64 bit WEP 128bit WEP AES-CCM TKIP

## Quality of Service

Full support for draft 802.11e EDCA (Wi-Fi Multimedia Enhancements)  
Hardware support for draft 802.11e HCF (Wi-Fi Scheduled Multimedia)

## Compliance / Certification

FCC Part 15  
Microsoft Windows Hardware Quality Labs (WHQL) for Windows XP and Win2000  
IEEE 802.11a/b/d/e (draft)/g/h/i (draft)

## Package Contents

AGN1023PC Cardbus Adapter  
Quick Install Guide  
CD-ROM with drivers and Client utility

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We make Networking Personal®. SOHware®, Inc. U.S. Headquarters 3050 Coronado Dr.  
Santa Clara, CA 95054 Tel. 1.800.632.1118 Fax. 1.408.565.9889 [www.sohware.com](http://www.sohware.com)