WIRELESS SUPER G PC CARD

108 Mbps
802.11 2.4Ghz G

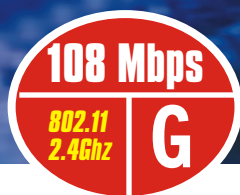## *Wireless Super G 108 Mbps 32 Bit Cardbus PC Card*

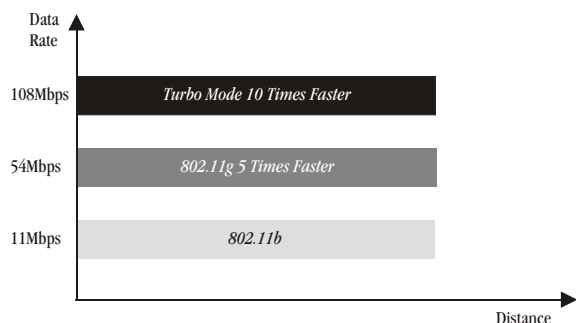## WL830PC

Aztech **WL830PC** 108 mbps Wireless Super G PC Card is a 32bit Cardbus targeted at Mobile users of Notebooks or PDAs. WL830PC provides users with up to 10 times the speed at 108 Mbps Wireless Super G mode using Atheros Turbo Mode™ and is backward compatible with IEEE802.11b Wireless LAN Networks. WL830PC provides flexibility to users where it automatically selects the best connection available and adapts the settings to either IEEE802.11b or IEEE802.11g where applicable.

Extensive security against eavesdropping is provided by WEP using a 128-bit key. WL830PC provides additional security measures through support for enhanced WPA, MAC Address Authentication as well as IEEE802.1x support.

- Super Reliable - IEEE 802.11 b/g support

- Super Fast - Turbo mode 108 Mbps speed

- Super Range - Improved antenna & upgradeable extended range support

- Super Easy - Quick & easy installation

- Super Secure - 128 bit WEP & upgradeable WPA support

Wireless LAN Support

Data Rate

108Mbps — Turbo Mode 10 Times Faster

54Mbps — 802.11g 5 Times Faster

11Mbps — 802.11b

Distance

WLAN Support
- IEEE 802.11, 802.11b and 802.11g compliant
- Frequency Band:
  * 2412 MHz - 2462 MHz (N.America/FCC)
  * 2412 MHz - 2472 MHz (ETSI/Europe)
  * 2412 MHz - 2484 MHz (Japan)
  * 2457 MHz - 2472 MHz (France)
  * 2457 MHz - 2462 MHz (Spain)
- Support Direct Sequence Spread Spectrum (DSSS) technology
- Modulation: OFDM with BPSK, QPSK, 16QAM, 64QAM, DBPSK, DQPSK, CCK
- Wireless Media Access Protocol - CSMA/CA with ACK
- Dynamic Rate Scaling from 54, 48, 36, 24, 12, 11, 9, 6, 5.5, 2, 1 Mb/s
- Support Atheros TurboMode™ of up to 108Mb/s
- Operation Range >300 meters in open environment
- Firmware held in upgradeable flash memory

Security Support
- Support for 40 bit key plus 24 bit initialization vector (WEP)
- Support for 104 bit key plus 24 bit initialisation vector (128 RC4)
- Support for WPA
- Support for IEEE802.1x

Platform Support
Drivers/Client Manager/CD Wizard
- Microsoft Windows® 98 SE
- Microsoft Windows® ME
- Microsoft Windows® 2000
- Microsoft Windows® XP

Interfaces
PCMCIA Interface Type:
- Input/Output: 32-bit Cardbus
- Standard: PCMCIA Type II Standard (Feb 1995 : PC Card Standard Vol 3)
- Power: 3.3 Vdc

LED Specification

Power LED	Network LED	Meaning
Slow-rate Blink	OFF	Power Save Mode (default from power up or reset)
ON	OFF	Awake
Alternate Blink	Alternate Blink	Search for network association
Slow-rate Blink	Slow-rate Blink	Associated with network - No activity
Fast-rate Blink	Fast-rate Blink	Associated with network - blink increases with activity
OFF	OFF	No power

Aztech
TOTAL POWER PERFORMANCE