



# 11 Mbps Wireless LAN PCMCIA Card

## High Power Version 100 mW

This long range wireless LAN (Local Area Network) card is a flexible data communications system implemented as an extension to, or as an alternative for, a wired LAN, lease line, internet access etc. Using radio frequency (RF) technology, wireless LANs transmit and receive data over the air, minimizing the need for wired connections.

In conjunction with the latest state of the art SmartAmps™ the range and power of the setup is increased many folds. Complete package with SmartAmps (amplifiers), high gain directional antennas and cables (all sold separately) is available at discount price.

Equally suitable for both fixed and mobile installations.

### Specifications:

<b>Protocol:</b>	IEEE 802.11b compliant, Media Access Protocol: CSMA/CA (Collision Avoidance) with ACK
<b>Modulation:</b>	Direct Sequence Spread Spectrum
<b>Frequency Band:</b>	2.4 GHz (ISM band)
<b>Band Width:</b>	2.412 GHz - 2.484 GHz (ISM Band); 11 Channels
<b>Sensitivity:</b>	@ Per < 0.08 11 Mbps @ -85 dBm ; 5.5 Mbps @ -88 dBm 2 Mbps @ -89 dBm ; 1 Mbps @ -92 dBm
<b>Power TX:</b>	20 dBm (100 mW)
<b>TX/RX Range:</b>	(in free space) 11 Mbps = 920 Ft. (280 M), 5 Mbps = 1300 Ft. (400 M) 2 Mbps = 1700 Ft. (520 M), 1 Mbps = 2600 Ft. (800 M) 50 Km with optional amplifier and antenna
<b>Data Rate:</b>	1 / 2 / 5.5 / 11 Mbps per Channel, Auto Fall-Back
<b>PCMCIA:</b>	Type II
<b>RF Connector:</b>	Coaxial connector for optional high gain antennas / amplifiers
<b>Power Consumption:</b>	700mA TX, 280mA RX, (TBD) Sleep Mode
<b>Regulatory Approval:</b>	FCC Part 15, Sec. 15.247, Sec. 15.107 and 15.109
<b>Weight:</b>	0.20 Lbs (96 gr)
<b>Dimensions:</b>	<b>Indoor:</b> 5½ L (113 mm) * 2½ W (50 mm) * 0.2 H (5.0 mm) <b>Outdoor:</b> 3.37½ L (85.6 mm) * 2½ W (50 mm) * 0.2 H (5.0 mm)
<b>Operating Temperature:</b>	0 ~ 55 °C (32 ~ 131 °F)
<b>LED Indicators:</b>	2 LEDs = Power, Link
<b>Humidity (non condensing):</b>	5 ~ 80 %

