



11 Mbps Wireless LAN PCMCIA Card

High Power Version 200 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:

Protocol:	IEEE 802.11b compliant, Media Access Protocol: CSMA/CA (Collision Avoidance) with ACK
Modulation:	Direct Sequence Spread Spectrum
Frequency Band:	2.4 GHz (ISM band)
Band Width:	2.412 GHz - 2.484 GHz (ISM Band); 11 Channels
Sensitivity:	@ Per < 0.08 11 Mbps @ -85 dBm ; 5.5 Mbps @ -88 dBm 2 Mbps @ -89 dBm ; 1 Mbps @ -92 dBm
Power TX:	23 dBm (200 mW)
TX/RX Range:	(in free space) 11 Mbps = 1380 Ft. (420 M), 5 Mbps = 1950 Ft. (600 M) 2 Mbps = 2550 Ft. (720 M), 1 Mbps = 3900 Ft. (1200 M) 50 Km with optional amplifier and antenna
Data Rate:	1 / 2 / 5.5 / 11 Mbps per Channel, Auto Fall-Back
PCMCIA:	Type II
RF Connector:	Coaxial connector for optional high gain antennas / amplifiers
Power Consumption:	700mA TX, 280mA RX, (TBD) Sleep Mode
Regulatory Approval:	FCC Part 15, Sec. 15.247, Sec. 15.107 and 15.109
Weight:	0.20 Lbs (96 gr)
Dimensions:	Indoor: 5 1/2" L (113 mm) * 2 1/2" W (50 mm) * 0.2" H (5.0 mm) Outdoor: 3.37 1/2" L (85.6 mm) * 2 1/2" W (50 mm) * 0.2" H (5.0 mm)
Operating Temperature:	0 ~ 55 °C (32 ~ 131 °F)
LED Indicators:	2 LEDs = Power, Link
Humidity (non condensing):	5 ~ 80 %