



# WLAN PCMCIA Card

*Veritech Long Range Wireless PCMCIA Card*

VAC2511-I & VAC2511-D



- **IEEE 802.11B** WiFi compliant, improved 64/128 bit WEP engine
- 11 Mbps data transfer rate
- High power 23dBm (200mW) output, longer distances
- Option with external antenna jacks available



*Get Connected*

# Technical Specifications

Features and Benefits	
11Mbps data transfer rate	High-speed data transmission
23 dBm transmit output power (200mW)	Long operating range, up to three times range of standard products
Compliant	IEEE 802.11b compliant
Automatic data rate scaling at 11, 5.5, 2 and 1 Mbps	Optimised throughput, range and connectivity
Improved 64/128-bit WEP Engine	Significantly improved throughput
Wide coverage range up to 1200 metres in open space	Wireless connectivity for all your computers
Advanced power	Extended battery life
Plug and play PC Card interface	Easy installation
Significantly improved resilience to indoor multipath distortion	Higher link quality in indoor environment
General	
Radio Data Rate	11, 5.5, 2 and 1 Mbps, Auto Fall-Back
Range at Various Speeds (Indoor Max / Outdoor Max given no obstructions)	11Mbps – 300m/450m (23 dBm output power) 5.5Mbps – 400m/600m (23 dBm output power) 2 Mbps – 500m/750m (23 dBm output power) 1 Mbps – 800m/1200m (23 dBm output power)
Operating Voltage	3.3V/5V
Regulation Certifications	FCC Part 15/UL, ETSI 300/328/CE
Compatibility	Fully interoperable with IEEE802.11b compliant products
LED Indicator	RF Link activity
Network Information	
Network Architecture	Support ad-hoc, peer-to-peer networks and infrastructure communications to wired Ethernet networks via Access Point
Drivers	Windows 95/98/ME/2000/NT 4.0/CE/XP
Access Protocol	CSMA/CA
Roaming	IEEE802.11b compliant
Security	64/128-bit WEP data encryption
Radio	
Frequency Band	2.4 – 2.484 GHz
Radio Type	Direct Sequence Spread Spectrum (DSSS)
Modulation	CCK (11, 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)
Operation Channels	11 for North America, 14 for Japan, 13 for Europe, 2 for Spain, 4 for France
RF Output Power	23dBm (200mW) -- FCC, 20dBm (100mW) -- CE
Antenna	Integrated, with built-in diversity
Sensitivity @FER=0.08	11 Mbps <-87dBm, 5.5 Mbps <-90dBm, 2 Mbps <-93dBm, 1 Mbps <-95dBm
Environmental	
Temperature Range	0 to 50 C (operating), -20 to 80 C (storage)
Humidity (non-condensing)	5% to 95% typical
Physical Specifications	
Form Factor	PCMCIA Type II PC Card
Dimensions	118(L) mm x 54(W) mm x 7.5(H) mm
Weight	40 g

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