

# Specification

**Product** Long Range Wireless PC Card  
with Two Antenna Jacks

**Model no.** EL-2511CD PLUS EXT2



## Features and Benefits

11Mbps data transfer rate	High-speed data transmission
23 dBm transmit output power	Long operating range, up to three times range of standard products
Compliant	IEEE802.11b compliant
Automatic data rate scaling at 11, 5.5, 2 and 1 Mbps	Optimized throughput, range and connectivity
Improved 64/128-bit WEP Engine	Significantly improved throughput
Wide coverage range up to 1200 meters in open space	Wireless connectivity for all your computers
Advanced Power Management	Extended battery life
Plug and Play PC Card interface	Easy installation
Significantly improved indoor multipath distortion	Higher link quality in indoor environment

## Product Specifications

### General

Radio Data Rate	11, 5.5, 2 and 1 Mbps, Auto Fall-Back
Range (open environment)	11 Mbps – 300m/450m ( 23 dBm output power) 5.5 Mbps – 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)

## Specification

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	Two antenna connectors (MMCX female)
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