

## Specifications

Product Wireless Mini-PCI Adapter

Model SL-2511MP PLUS  
no.



## Features and Benefits

11Mbps data transfer rate	High-speed data transmission
Flexible design for embeded system	Can be designed or embedded for OEM project/embeded system
IEEE802.11b compliant	Fully interoperable with IEEE802.11b compliant products
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 800 meters in open space	Wireless connectivity for all your computers
Advanced Power Management	Extended battery life
Significantly improved indoor multipath distortion	Higher link quality in indoor environment
High Transmit Power	Long operating range, up to two times range of standard products

## Product Specifications

### General

Radio Data Rate	11, 5.5, 2 and 1 Mbps, Auto Fall-Back
Range (open environment)	11 Mbps –200m 5.5 Mbps –300m 2 Mbps – 600m 1 Mbps –800m
Operating Voltage	3.3V
Compatibility	Fully interoperable with IEEE802.11b compliant products

### Network Information

Network Architecture	Support ad-hoc, peer-to-peer networks and infrastructure communications to wired Ethernet
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## Specifications

	networks via Access Point
Drivers	Windows 95/98/ME/2000/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	22dBm(Input Voltage is 750mA), 18dBm(Input Voltage is 500mA)
Antenna connector	Diversity supported by two antenna connectors
Sensitivity @FER=0.08	11 Mbps <-86dbm 5.5 Mbps <-88dbm 2 Mbps <-90dbm 1 Mbps <-92dbm
Power Consumption	Tx Current $\leq$ 750 mA(Input Voltage is 750mA) $\leq$ 500mA (Input Voltage is 500mA) Rx Current $\leq$ 240 mA Sleep Mode $\leq$ 200 mA

### Environmental

Temperature Range	0 to 50 C (operating) -20 to 80 C (storage)
Humidity (non-condensing)	5% to 95% typical

### Physical Specifications

Form Factor	Mini PCI Type III A
Interface	PCI bus interface
Dimensions	50.9(L) mm x 59.6(W) mm x 4.8.(H) mm 2 (L) in x 2.3(W) in x 0.2.(H) in
Weight	15 g (0.53 oz.)