

PRODUCT DATASHEET

Conexant Short Card

2511CD PLUS EXT 2

2.4 GHz

802.11 b

11 Mbps

The IEEE 802.11b PC Card is the most convenient way to let you put a notebook computer almost anywhere without the hassle of running network cables. Now you don't need to suffer from the drilling holes and exposed cables. Once you are connected, you can do anything, just like the wired network. The high-speed wireless cardbus adapter operates seamlessly in the 2.4GHz frequency spectrum supporting the 802.11b (11Mbps) wireless standard.



Features	Benefits
Automatic data rate scaling at 11, 5.5, 2 and 1 Mbps	Optimized throughput, range and connectivity
IEEE 802.11b compliant	Fully interoperable with IEEE802.11b compliant devices
Wired Equivalent Privacy (WEP) encryption and decryption support	Powerful data security at 64 and 128 bits
Wide coverage range up to 1200 meters in open space	Wireless connectivity for all your computers
Advanced Power Management	Very low power consumption delivers extended battery life for client devices
Plug and Play PC Card Interface	Easy installation
Significantly improved indoor multi-path distortion	Higher link quality in indoor environment
Seamless roaming	Full mobility
Direct Sequence Spread Spectrum (DSSS) Technology	Provides robust, interference-resistant, and secure wireless connection

* Theoretical wireless signal rate based on IEEE standard of 802.11a, b, g chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

** All specifications are subject to change without notice.

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Technical Specifications

Data Rates

11, 5.5, 2 and 1 Mbps, Auto Fall-Back

Standards / Compliance

IEEE 802.11b

Fully interoperable with IEEE802.11b compliant devices

Regulation Certifications

FCC Part 15/UL, ETSI 300/328/CE

Operating Voltage

3.3V

Status LEDs

RF link activity

Drivers

Windows 98SE/ME/2000/XP

RF Information

Frequency Band

U.S., Europe and Japan product covering 2.4 to 2.484 GHz, programmable for different country regulations

Media Access Protocol

Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)

Modulation Technology

Direct Sequence Spread Spectrum (DSSS)
CCK (11, 5.5Mbps)
DQPSK (2Mbps)
DBPSK (1Mbps)

Operating Channels

11 for North America, 14 for Japan, 13 for Europe,
2 for Spain, 4 for France

Receive Sensitivity (Typical)

11 Mbps <-81dBm
5.5 Mbps <-91dBm
2 Mbps <- 93dBm
1 Mbps <-95dBm

Available transmit power

FCC: 23 dBm (200mW)

CE: 20dBm (100mW)

Antenna

Two antenna connectors (MMCX)

Range (open environment)

11 Mbps – 300m/450m
5.5 Mbps – 400m/600m
2 Mbps – 500m/750m
1 Mbps – 800m/1200m

Networking

Topology

Ad-Hoc, Infrastructure

Security

64-bit / 128-bit WEP encryption

Physical

Form Factor

PCMCIA Type II PC Card

Dimensions (LxWxH)

118(L) mm x 54(W) mm x 7.5(H) mm

Weight

40 g

Environmental

Temperature Range

Operating: -10°C to 60°C

Storage: -40°C to 70°C

Humidity (non-condensing)

5% ~ 95% typical

Package Contents

One Cardbus Adapter
One Quick Start Guide
One CD-ROM with User's Manual and Drivers

Related Product(s)

11b High-power Client Bridge
2611CB3 PLUS (Deluxe)
11a/b/g Wireless Cardbus Adapter
3054CB+ (802.11g)
SPC-362 (802.11g)
5354CB+ Aries2 (802.11a/b/g)
11a/b/g High-power Wireless USB Adapter
SUB-362 (802.11b/g)
SUB-862 (802.11a/b/g)

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