Wb1500

IEEE802.11b 11Mbps Wireless PC Card

INTRODUCT

The 802.11b Wireless 16bit PC Card is a device that lets you connect your notebook to a wireless local area network (LAN). A wireless LAN is like a regular LAN, except that you can share information without looking for a place to plug in, and augment networks without installing or moving wires. Based on radio frequency (RF) technology, a wireless LAN transmits and receives data over the air, along with the guarantee to provide privacy and noninterference by the use of separate radio frequency. The 802.11b Wireless 16bit PC Card allows you to take full advantage of your PC's mobility with access to real-time information and online services anytime and anywhere. Plus, with the network installation simplicity and flexibility, you can eliminate the need to pull cable through walls and ceilings and allow the network to go where wires cannot go. Exploring WWW and augmenting networks can never be done more easily.

FEATURES

* Compliant with IEEE 802.11b standard for 2.4GHz Wireless LAN
* Compliant with PCMCIA Type II
* Supports PC Card hot swap and true Plug & Play
* Works with all existing network infrastructure
* Compatible with specific wireless products and services
* Capable of up to 128-Bit WEP Encryption Protocol
* Freedom to roam while staying connected
* 11 Mbps High-Speed Transfer Rate
* Rich diagnostic LED indicators with Integrated Antenna
* Compatible with Window 95/98/2000/ME/XP/NT
* Lower power consumption
* Easy to install and configure

SPECIFICATIONS

Standards	IEEE 802.11b, Wi-Fi compliant
Host Interface	PC Card Type II slot
Physical	Weight: 40 g 119(L) x 53.94 (W) x 6.88(H) mm
Antenna	Built in the card
LED Indicators	Link: Orange Act: Green
Power Requirement	Operating Voltage: 5V * TX consumption : 300mA (Max) * RX consumption: 200mA (Max) * Sleep Mode: 17 mA
Frequency Range	2.412GHz-2.4835GHz
Number of Selectable Channels	USA, Canada: 11 channels Japan: 14 channels Europe: 13 channels
Modulation Technique	Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
Security	0/64/128 bit WEP
Spreading	11 chip Barker sequence
Bit Error rate	Better than 10^{-5}
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Range(meter) * Open Environment	320m@2Mbps 220m@11Mbps
Supported OS	Windows 95/ 98/ ME/ 2000/ XP/ NT
EMC Certification	FCC Part 15 in US ETSI 300328 and ETSI 300826 in Europe JATE-Telec in Japan