

OvisLink

WPC16

IEEE802.11b Wireless PC Card.11b



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

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|-------------------|--|
| 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 |

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|-------------------------------------|--|
| 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, Class B in US ETSI 300328 and ETSI 300826 in Europe JATE-Telec in Japan |