

## 802.11b Wireless Short PC Card



### FEATURES

- Complies with IEEE802.11b standard for 2.4GHz Wireless LAN
- PCMCIA Type II compliant.
- PC Card hot swap supported and True Plug & Play.
- Interoperable with existing network infrastructure.
- Secure information transmission.
- Freedom to roam while staying connected.
- Compatible with specialty wireless products and services.
- Up to 11Mbps data rate.
- Support operating systems such as Window 95 OSR2/98/2000/ME/XP/NT
- Lower power consumption.
- Easy of Installation.

The 802.11b Wireless Short PC Card is a card 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 Short 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.

### SPECIFICATIONS

|                               |                                                                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                     | IEEE 802.11b                                                                                                                                                                  |
| Host Interface                | PC Card Type II slot                                                                                                                                                          |
| Physical                      | <ul style="list-style-type: none"> <li>■ Weight: 32 g</li> <li>■ Dimension: 85.6(L) x54 (W) x 5(H) mm</li> </ul>                                                              |
| Antenna connector Type        | Two MMCX connectors for external antenna                                                                                                                                      |
| Power Requirement             | Operating Voltage: 5V<br><ul style="list-style-type: none"> <li>■ TX consumption: 250mA (Max)</li> <li>■ RX consumption: 180mA (Max)</li> </ul>                               |
| Frequency Range               | 2.412GHz-2.4835GHz                                                                                                                                                            |
| Number of Selectable Channels | USA, Canada: 11 channels<br>Japan, Europe: 14 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                                                                                                                                        |
| Supported OS                  | Windows 95 OSR2<br>Windows 98<br>Windows ME<br>Windows 2000<br>Windows XP<br>Windows NT                                                                                       |
| Environment specification     | <ul style="list-style-type: none"> <li>■ Operating Temperature: -10°C~55°C</li> <li>■ Storage Temperature: -20°C~70°C</li> <li>■ Humidity:0 to 90%, non-condensing</li> </ul> |
| EMC Certification             | FCC Part 15 in US<br>EN300328 and EN300826 (EN301489-17) in Europe                                                                                                            |

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