



**Preliminary: PC Card 802.11b Agere**

**PC-B-AG-03**

**PC-B-AG-02**

**PC-B-AG-05**

**PC-B-AG-04**

**Description**

Wireless LAN uses radio frequencies to transmit and receive data between PC's or other network devices without wires or cables. The applications of wireless LAN include independent networks (suitable for small or temporary peer-to-peer configurations) and infrastructure networks, offering fully distributed data connectivity via micro cells and roaming.

Faster data transfers means increased productivity. With the PC-B-AG-02, 03, 04, 05 in your Notebook, you can transfer large files quickly, run stream MPEG video smoothly. The performance of this 802.11b wireless PC Card saves your time, money and make your wireless networking experience enjoyable.

**Features**

- Automatic data rate fallback under noisy environment
- Advanced power management for power saving
- Two high-gain antennas provided support diversity switching
- One external antenna (Option)
- Supports a wide range of operating systems
- Interoperable with IEEE 802.11b compliant equipment
- Supports full mobility and seamless roaming from cell to cell
- Plug-and-play installation and easy client management with utility software
- Operating Range
  - Open environment: Up to 550m(1750ft)
  - Office environment: Up to 100m(318ft)

**Specifications**

- General:
  - Compliant with IEEE 802.11b Standard
  - Security: WEP 64/128-bit, WPA/TKIP SSN(2003,Q2)
- Hardware
  - RF Range: 2.4 ~ 2.4835 GHz

- Data Rate: 11/ 5.5 / 2 / 1 Mbps
- Modulation: BPSK for 1 Mbps  
 QPSK for 2 Mbps  
 CCK for 5.5 / 11 Mbps
- Number of Channels: Europe - 13, US - 11,  
 France - 4, Japan - 14
- Host Interface: PCMCIA type II 16 bit
- Transmit Power (Typ.): +15 dBm
- Receive Sensitivity: -93 dBm for 1 Mbps; -89 dBm for 2 Mbps; -87 dBm for 5.5 Mbps; -83 dBm for 11 Mbps (Typ. 8% PER)
- Current Drain (max. @3.3 V<sub>dc</sub>): Tx mode: 285 mA; Receive mode: 180 mA , standby mode: 15 mA
- Software
  - Driver Support: Windows 98SE / Me / NT4.0 / 2000 / XP/Linux/VxWORKS
  - Utility: User setup & diagnostic tool
- Mechanical
  - Two Integrated Antennas
  - Blue LED for Link/Act. Indication
  - Input Voltage: 5V<sub>dc</sub>
  - Package: PCMCIA type II extended
  - Dimensions: 118.7 x 54.0 x 7.3mm(PC-B-AG-02, 04); 117.8 x 54.0 x 8.4mm (PC-B-AG-03, 05)
  - Weight: Less than 75 grams
- Environmental
  - Temperature: 0 ~ +60°C (operating)  
 -15 ~ +85°C (storage)
  - Relative Humidity: 5%~95% (non-condensing)
- Radio Approval
  - U.S., Canada: FCC Part 15C, sections 15.247, 15.205, 15.209; RSS-210
  - Europe: ETS 300 328
  - Japan: Telec ARIB SDT T-66(Channel 1-13), D-33(Channel 14)

**Notes:**

1. Specifications are subject to change without notice.
2. Windows 98SE / Me / NT4.0 / 2000 / XP are the registered trademark of Microsoft.