

**1. Description:**

The WN3301F/G is IEEE 802.11b high data rate standard compatible PCMCIA Card, which fully supports high data rate to 11Mbps, 5.5Mbps, 2Mbps and 1Mbps over the Ethernet speed. Using Direct Sequence Spread Spectrum technology for immunity to interference, it is easy to install on various devices, which has PCMCIA interface. The software supports most of O.S for operation. The automatic fallback feature is to secure the operation with lower data rate under the specific noisy environment.

**2. Feature:**

1. IEEE 802.11b Direct Sequence high rate compatible.
2. High data rate 11/5.5/2/1 Mbps.
3. Auto fallback data rate under noisy environment.
4. RC4 wireless data encryption with 64 and 128 bits encryption for security.
5. Built-in dual diversity antenna (WN3301F).
6. Dual external antenna connectors with Diversity function supported as an option. (W3301G)
7. User-friendly text input WEP Key by any text (comply with Intersil) or Hex input.
8. Support RTS and CTS threshold control for better throughput.
9. Firmware upgradeable by only changing driver.

**3. Application:**

1. Home networking for device sharing.
2. Wireless multimedia.
3. Wireless office for extension Ethernet range.
4. Mobile networking for notebook PC, PDA, Web Pad or Wireless Gateway Built-in Application.

**4. Hardware Architecture:**

**IEEE802.11b WLAN PCMCIA Card WN3301F/G Block Diagram**

