

# 802.11b/g MIMO XR™

## Wireless LAN CardBus Card

The **WCB5202** is a device that allows you connect your computer to a wireless local area network (LAN). A wireless LAN allows your system to use wireless Radio Frequency (RF) technology to transmit and receive data without physically attaching to the network. The Wireless protocols that come with this product ensure data security and isolation from interference generated by other radio frequencies.

This **WCB5202** also allows you to take full advantage of your computer's mobility with access to real-time information and online services anytime and anywhere. In addition, this device eliminates the bother of pulling cable through walls and under furniture. It even allows you to place your system in locations where cabling is impossible. Modifying and augmenting networks has never been so easy.



### FEATURES

- Complies with IEEE 802.11b and 802.11g standard for 2.4GHz Wireless LAN.
- Complies with CardBus Standard
- Work with all existing network Infrastructure
- IT2R Architecture, with extended range and dead spot eliminated
- Complies with specific wireless products And services
- Up to 54Mbps data transfer rate in 802.11g mode of operation
- Complete Security Feature - WEP 64/128, WPA, WPA2, 802.1x and 802.11i
- Cisco CCX V1.0, V2.0 and V3.0 Compliance
- Advanced Quality of Service (QoS) - 802.11e, WMM
- International Regulatory Compliance - 802.11d+h
- Bluetooth Co-existence
- Comprehensive OS support: Win98SE/ME, Win2000, WinXP, WinCE, Linux, MAC OSX
- WHQL Certification

### SPECIFICATIONS

<b>Host Interface</b>	Cardbus PC Card Standard Type II
<b>RF Interface</b>	On board printed antenna
<b>Antenna</b>	On board printed antenna
<b>Frequency Range</b>	2.412GHz ~ 2.4835GHz
<b>Number of Selectable Channels</b>	USA, Canada (FCC): 11channels (2.412GHz~2.462GHz) Europe (CE): 13channels (2.412GHz~2.472GHz) Japan (TELEC): 14channels (2.412GHz~2.4835GHz)
<b>Modulation Technique</b>	802.11b: Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK) 802.11g: Orthogonal Frequency Division Multiplexing (QAM64, QAM16, QPSK, BPSK)
<b>Data Rate</b>	802.11b (11Mbps, 5.5Mbps, 2Mbps, 1Mbps) 802.11g (54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6Mbps)
<b>Operation Voltage</b>	<b>3.3V +/- 5%</b>
<b>Operating Temperature</b>	-5~ +60 °C ambient temperature
<b>Storage Temperature</b>	-20~ +70 °C ambient temperature
<b>Operating Humidity</b>	90% maximum (non-condensing)
<b>Storage Humidity</b>	90% maximum (non-condensing)
<b>Certification</b>	FCC Part15 in US , EN300328 and EN300826 (EN301489-17) in Europe