

# WL-611R

## Wireless 11g CardBus Adapter

### FEATURES & BENEFITS

- Easy Installation
- Operates in the 2.4GHz, Backward
- Compatible in a 802.11b environment
- Wireless link speeds up to 54Mbps; 5 times faster than 802.11b devices.
- Up to 128-bit WEP Encryption & 256-bit WPA
- Seamless roaming from cell to cell and between 802.11b to 802.11g
- Support Windows XP/2000/ME/98SE



### COMPATIBLE WITH 802.11b DEVICES

WL-611R is the 802.11g Wireless LAN client product from SparkLAN with a data transmission rate up to 54Mbps. Operating in 2.4GHz, the WL-611R is backward compatible with other 802.11b wireless LAN devices

### UP TO 54Mbps

For 802.11b compatibility, 802.11g incorporates 802.11b's Complementary Code Keying (CCK) to achieve bit transfer rates up to 5.5 Mbps and 11Mbps in the frequency band of 2.4GHz. In addition, 802.11g adopts 802.11a's Orthogonal Frequency Division Multiplexing (OFDM) and speeds up its data rate up to 54Mbps.

### GREAT FOR VIDEO STREAMING

WL-611R enables high data rate multi-media applications, for example, DVD streaming transmission, Broadband bandwidth control and management.

### SPECIFICATIONS

#### INTERFACE

CardBus > 32-bit CardBus  
Type II or Type III CardBus ready  
LED > One LED: RF Link Activity  
Antenna > Internal patch antenna supporting diversity

#### RADIO CHARACTERISTICS

Standard > IEEE 802.11g, 802.11b  
Frequency Bands > 2.412~2.4835GHz ISM Band  
Modulation Tech >  
802.11b: CCK, DQPSK, DBPSK  
802.11g: OFDM  
Media Access Protocol > CSMA/CA with ACK  
Transmit Power >  
802.11g :13-15 dBm  
802.11b : 17-19dBm  
Receive Sensitivity >  
11 Mbps 10-5 BER @ -83 dBm, TYP  
54 Mbps 10-5 BER @ -70 dBm, TYP

#### Data Rates >

802.11b: 11Mbps, 5.5Mbps, 2Mbps, 1Mbps, auto fallback  
802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps  
Operating Range >  
Open space:100-300m ; Indoor:30-100 m \* The performance various depend on environment.  
Number of Channels >  
10~13 : France, Jordan  
1~11 : USA and Taiwan  
1~13 : European  
1~13,14: Japan

#### ENVIRONMENTAL SPECIFICATIONS

Dimension > 117x54x6 mm (LxWxH)  
Weight > 40g  
Temperature > -0°C TO 55°C (Operating), -20°C to 65°C(Storing)  
Humidity > 95% Non-condensing  
Power > 3.3V±5%

#### DRIVERS & UTILITY

Operating Systems >  
Windows XP, Windows ME, Windows2000, Windows 98SE  
Security > 64/128-Bit WEP Key, WPA, TKIP, 802.11i  
Configuration > Utility Configuration tray & Zero configuration for WinXP  
WARRANTY > 1 year  
PACKAGE CONTENTS >  
• One Wireless LAN CardBus Adapter  
• One Setup CD-ROM with User Guide.  
• One Quick Installation Guide