

# WL-611

## Wireless 11g

### CardBus Adapter



#### FEATURES & BENEFITS

- Easy Installation
- 32bit CardBus Interface
- Operates in the 2.4GHz, Backward Compatible in a 802.11b environment
- Wireless link speeds up to 54Mbps; 5 times faster than 802.11b device
- Up to 128-bits WEP Encryption
- Support WiFi Protected Access
- Seamless roaming from cell to cell and between 802.11b to 802.11g
- Support Windows 98SE/ME/2000/XP

#### COMPATIBLE WITH 802.11b DEVICES

WL-611 is the first available Wireless LAN client product from SparkLAN with a data transmission rate up to 54Mbps. Operating in 2.4GHz, the WL-611 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-611 enables high data rate multi-media applications, for example, DVD streaming transmission, Broadband bandwidth control and management.

#### SPECIFICATIONS

INTERFACE	
<b>CardBus</b>	32-bit CardBus Type or Type CardBus ready
<b>LED</b>	One LED: RF Link Activity
<b>Antenna</b>	Internal patch antenna supporting diversity

RADIO CHARACTERISTICS	
<b>Standard</b>	IEEE 802.11b and IEEE 802.11g
<b>Frequency Bands</b>	2.412~ 2.497GHz ISM Band
<b>Modulation Tech</b>	802.11b: 11Mbps and 5.5Mbps CCK; 2Mbps: DQPSK; 1Mbps: DBPSK; 802.11g: OFDM
<b>Media Access Protocol</b>	CSMA/CA with ACK
<b>Transmit Power</b>	15 dBm @ Nominal Temp Range (Maximun)
<b>Receive Sensitivity</b>	11 Mbps 10-5 BER @ -80 dBm, TYP 54 Mbps 10-5 BER @ -65 dBm, TYP
<b>Data Rates</b>	802.11b: 11Mbps, 5.5Mbps, 2Mbps, 1Mbps, auto fallback 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps
<b>Operating Range</b>	802.11b: 11Mbps Up to 180m (Outdoor), 35-60m (Indoor) 802.11g: 54Mbps up to 50m (Outdoor), 20m (Indoor) * The performance various depend on environment.
<b>Number of Channels</b>	802.11b: USA and Taiwan – 11, China and Europe – 13 802.11g: USA, Europe, and Japan - 13

ENVIRONMENTAL SPECIFICATIONS	
<b>Dimension</b>	115x54x6 mm (LxWxH)
<b>Weight</b>	40g
<b>Temperature</b>	-0°C to 50°C(Operating), -20°C to 65°C(Storing)
<b>Humidity</b>	95% Non-condensing
<b>Power Consumption</b>	Tx peak 550mA @ 3.3VDC, Rx peak 350mA @ 3.3VDC Idle: 225mA @ 3.3VDC; Radio disabled: <10mA @ 3.3VDC

DRIVERS & UTILITY	
<b>Operating Systems</b>	Windows 98SE/2000/ME/XP
<b>Security</b>	64/128 Bit WEP Key; WPA
<b>Configuration Utility</b>	Configuration tray & Zero configuration for WinXP

CERTIFICATION	
FCC class B; CE Mark	

WARRANTY	
1 year	

PACKAGE CONTENTS	
■ One Wireless LAN CardBus Adapter	■ One Setup CD-ROM with User Guide.
■ One Quick Installation Guide	