

Wireless LAN CardBus Adapter WL-611



PRODUCT HIGHLIGHTS

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.

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 bit WEP Encryption
- Seamless roaming from cell to cell and between 802.11b to 802.11g
- Support Windows 98SE/ME/2000/XP

SPECIFICATION

INTERFACE

PCMCIA	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 802.11b and IEEE 802.11g draft
Frequency Bands	2.412~ 2.497GHz ISM Band
Modulation Tech	802.11b: 11Mbps and 5.5Mbps CCK; 2Mbps: DQPSK; 1Mbps: DBPSK; 802.11g: OFDM
Media Access Protocol	CSMA/CA with ACK
Transmit Power	15 dBm @ Nominal Temp Range (Maximun)
Receive Sensitivity	11 Mbps 10-5 BER @ -80 dBm, TYP 54 Mbps 10-5 BER @ -65 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	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.
Number of Channels	802.11b: USA and Taiwan – 11, China and Europe – 13 802.11g: USA, Europe, and Japan - 13

ENVIRONMENTAL SPECIFICATIONS

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

DRIVERS & UTILITY

Operating Systems	Windows 98SE/2000/ME/XP
Security	64/128 Bit WEP Key
Configuration Utility	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	

Rev 1.0