WL-685R Wireless 11g Compact USB Adapter

FEATURES & BENEFITS

◈ Easy Installation

◈ Operates in the 2.4GHz, Backward Compatible in a 802.11b environment

◈ Wireless link speeds up to 54Mpbs; 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-685R is the 802.11g Wireless LAN client product from SparkLAN with a data transmission rate up to 54Mbps. Operating in 2.4GHz, the WL-685R 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-685R enables high data rate multi-media applications, for example, DVD streaming transmission, Broadband bandwidth control and management.

PRODUCTS SPECIFICATIONS

INTERFACE	
USB	USB 2.0
LED	One LED: RF Link Activity
Antenna	Internal PCB antenna
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 :12.5 dBm 802.11b : 16dBm
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 100m (Outdoor), 35-60m (Indoor) 802.11g: 54Mbps up to 50m (Outdoor), 20m (Indoor) * 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	100x34x20 mm (LxWxH)
Weight	30g
Temperature	-0°C to 50°C(Operating),-20°C to 65°C(Storing)
Humidity	95% Non-condensing
Power	5V
DRIVERS & UTILITY	
Operating Systems	Windows XP, Windows ME, Windows2000,Windows 98SE
Security	64/128-Bit WEP Key, WPA
Configuration Utility	Configuration tray & Zero configuration for WinXP
CERTIFICATION	
FCC, CE	
WARRANTY	
1 year	
PACKAGE CONTENTS	
■ One Wireless Thumb USB Adapter	■ One Setup CD-ROM with User Guide.
■ One Quick Installation Guide	