

WL-682R

USB Network Adapter



PRODUCT HIGHLIGHTS

- IEEE 802.11g standard back compatible with 802.11b devices
- Operating in 2.4 GHz band with data rate up to 54Mbps
- 64/128-bit WEP Encryption
- Support Wi-Fi Protected Access
- Seamless roaming among 802.11b/g networks
- Better wireless distance with built-in adjustable antenna
- Pocket Size, Slim and Compact
- Easy to install and configure

FEATURES & BENEFITS

Easy to Setup

The Wireless 11g USB Network Adapter WL-682F connects directly to any USB-ready PC without opening the computer cases. Installation and configuration is a snap following SparkLAN user setup CD-ROM. Once the driver is installed, just plug onto your PC or notebook, you are ready for the wireless service.

Higher Speed & Better Linkage

Supporting IEEE 802.11g wireless connection, WL-682 offers a high speed data transmission rate up to 54Mbps. WL-682 is powerful to fit in most of demanding network adapter applications. The built-in antenna gain is higher than any regular PC card. Therefore, WL-682 offers greater wireless linkage and better wireless connection quality.

SPECIFICATIONS:

USB > USB 2.0

LED x 2 > Wireless Link, RF Link

Antenna > Sleeve Dipole Antenna

RADIO CHARACTERISTICS

Standard > IEEE 802.11g

Frequency Bands > 2.400 ~

2.4835GHz ISM Band

Modulation Tech > 802.11g: OFDM

802.11b: 11Mbps and 5.5Mbps

CCK; 2Mbps: DQPSK; 1Mbps:

DBPSK;

Media Access Protocol > CSMA/CA
with ACK

Transmit Power >

802.11b: 15 ± 1dBm @ 1 to 11Mbps

802.11g: 13 ± 1 dBm @ 54Mbps

Receive Sensitivity >

802.11b: 11 Mbps 10-5 BER @ -
83dBm, typ

802.11g: 6 Mbps 10-5 BER @ -
87dBm, typ

18 Mbps 10-5 BER @ -82dBm, typ

36 Mbps 10-5 BER @ -75dBm, typ

54 Mbps 10-5 BER @ -67dBm, typ

Data Rates >

802.11b: up to 11Mbps with auto
fallback

802.11g: up to 54Mbps with auto
fallback

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 > USA and
Canada – 11, Europe – 13,
France – 4, Japan – 14

ENVIRONMENTAL

Dimension > 117 x 47 x 25 mm (
LxWxH)

Weight > 35g

Temperature > 0 ~ 60°C
(Operating), -20~80°C (Storage)

Humidity > Max. 95% Non-
condensing

Power Consumption > 802.11b/g:
Tx 500mA max. Rx 400mA max

DRIVERS & UTILITY

Operating Systems > Win98SE/
ME/2000/XP

Security > 64/128 Bit WEP Key;
WPA

Site Survey > Channel in use and
its corresponding AP SSID

WARRANTY > 1 year

PACKAGE CONTENT > One
Wireless USB Adapter, One USB
Cable, One Quick Installation
Guide, One Setup CD-ROM with
User Guide