

SMCWCB-G EZ Connect™ g 802.11g 54Mbps Wireless Cardbus Adapter



OVERVIEW

The EZ Connect™ g 802.11g 54Mbps Wireless Cardbus Adapter (SMCWCB-G) is another cutting edge introduction in 2.4GHz wireless communication for your laptop. Designed for both business and home users, this adapter provides the speed, coverage, and security expected by today's wireless users. Based on the IEEE 802.11g standard, the new EZ Connect g Wireless Adapter is 5 times faster than the widely used 802.11b wireless networking devices and is 100% compatible with existing 802.11b wireless networks. The SMCWCB-G is extremely fast and can handle streaming video, multimedia and all other bandwidth-intensive applications. Wireless clients can now easily obtain instant, seamless high-speed network connection. The new and improved SMCWCB-G significantly increases the performance of mixed-mode (802.11b and 802.11 g) networks and 802.11g-only networks - up to 3x more throughput in mixed-mode networks and up to 50% throughput improvement in 802.11g-only networks.

The EZ Connect™ g Wireless Adapter includes an EZ Installation Wizard that enables quick and easy setup. Simply put the EZ Installation Wizard CD into your CD-ROM drive, click on Install Driver/Utility Link, the wizard will perform the installation automatically. Then plug in your EZ Connect g Wireless Card into the PCMCIA slot of your laptop, you are now ready to enjoy the freedom of wireless networking.

The new SMCWCB-G EZ Connect g Wireless Cardbus Adapter offers high-speed data rate at up to 54Mbps. This adapter provides a high level of security by supporting both 64/128-bit WEP encryption and the WiFi Protected Access (WPA). Moreover, profile management software allows the new wireless notebook adapter the ability to save multiple wireless settings corresponding to different locations or networks. Furthermore, SMCWCB-G has a built-in utility program for scanning all available Wireless Access Points on the network. Free 24/7 technical support is available.

FEATURES	BENEFITS
New Improved 54 Mbps 802.11g Performance; Interoperates with Wireless-B Products	Significantly increases the performance of mixed-mode (802.11b and 802.11 g) networks and 802.11g-only networks - up to 3x more throughput in mixed-mode networks and up to 50% throughput improvement in 802.11g-only networks. Backward compatibility to existing 802.11b standard means that you can use the new Wireless Adapter at home, office and even at hotspots where the popular 2.4GHz wireless networks are deployed
EZ Installation Wizard	EZ Installation Wizard ensures simple and easy setup of the new EZ Connect G Wireless Cardbus Adapter
High data rates at up to 54 Mbps	High Performance 54Mbps is extremely fast and can handle streaming video, multimedia and all other bandwidth-intensive applications
64-bit and 128-bit Protected Access (WEP) encryption and Wi-Fi Protected Access (WPA) Security	Advanced security through 64/128-bit WEP encryption, Wi-Fi Protected Access (WPA) to authenticate appropriate personnel to access network resources
Site survey utility	Profile management lets you create and save multiple profiles for different wireless network settings
Ability to define multiple Profile settings	Site survey utility scans for all available Access Points on the wireless network



TECHNICAL SPECIFICATIONS

SMCWCB-G

STANDARDS

- IEEE 802.11g, 802.11b

INTERFACE

- 32-bit Cardbus with PCMCIA Type II

DATA RATE

- 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54Mbps

OPERATING RANGE

- Up to 1,155 ft / 352 m

NETWORK CONFIGURATION

- Ad-Hoc (Peer to Peer)
- Infrastructure

MODULATION

- OFDM with BPSK, QPSK, 16QAM, 64QAM (11g) DBPSK, DQPSK, CCK (11b)

SECURITY

- 64-/128-bit Wired Equivalent Privacy (WEP)
- WPA

RF FREQUENCY

- 2400MHz - 2497 MHz - Japan Band
- 2400MHz - 2483.5MHz - North America, Europe
- 2455MHz - 2475MHz - Spain
- 2446.5MHz - 2483.5MHz - France

OPERATING CHANNEL

- 11 Channels (US, Canada)
- 13 Channels (Europe)
- 14 Channels (Japan)

RF OUTPUT POWER

- 64 dBm QAM - 11 dBm
- 16 dBm QAM - 14 dBm
- QPSK - 16 dBm
- BPSK - 17 dBm
- DBPSK, DQPSK, CCK 17

SENSITIVITY

- 802.11g; PER < 10%
 - 54 Mbps -65 dBm
 - 48 Mbps -66 dBm
 - 36 Mbps -70 dBm
 - 24 Mbps -72 dBm
 - 18 Mbps -77 dBm
 - 12 Mbps -79 dBm
 - 9 Mbps -81 dBm
 - 6 Mbps -82 dBm
- 802.11b; PER < 8%
 - 11 Mbps -80 dBm
 - 5.5 Mbps -83 dBm
 - 2 Mbps -86 dBm
 - 1 Mbps -89 dBm

OPERATING SYSTEMS

- Windows 98SE/ME/2000/XP

ANTENNA GAIN

- 1.5 dBm

ANTENNA TYPE

- Built in diversity patch antenna

LED INDICATOR

- Activity
- Link

POWER VOLTAGE

- 3.3+/- 5%

POWER CONSUMPTION

- Tx (480mA) ; Rx (380mA)

DIMENSION

- 115 x 54 mm / 4.5 x 2.125 in

WEIGHT

- 45 g/ 0.10 lbs

COMPLIANCE

- USA: FCC Part 15 Class B and C
- Europe: ETSI EN 300 328-2 and ETSI EN 301 489-1, -17, EN60950, CE-Mark
- Canada: ISC RSS139
- Japan: RCR STD 33, T66; JETA

TEMPERATURE RANGE

- Operating: -0° - +60° C / 32° - +140° F
- Storage: -20° - +65° C / -4° - +149° F

HUMIDITY

- 20% to 80% Non-condensing

Contact

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