SMC EZ Connect™ g 54Mbps Wireless Cardbus Adapter (SMC2835W) is another cutting edge introduction in the 2.4GHz wireless communication for your laptop. Designed for both business and home users, this new adapter provides the speed, coverage and security expected by today's wireless users. Based on the IEEE802.11g draft standard, the new EZ Connect g Wireless Cardbus 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 SMC2835W is extremely fast and can handle streaming video, multimedia and all other bandwidth-intensive applications. Wireless clients can now obtain instant, seamless high-speed network connection easily.

SMC EZ Connect g Wireless Cardbus 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.

The new SMC2835W 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 new Wi-Fi Protected Access (WPA)*. It also supports IEEE802.1x* for user authentication to ensure only authorized users can access the resources of the wireless network. Moreover, profile management software allows the new wireless notebook adapter the ability to save multiple wireless settings corresponding to different locations or networks. Furthermore, SMC2835W has a built-in utility program for scanning all available wireless access points on the network. Combine all of these features and backed by a limited lifetime warranty, you have a state-of-the-art, technologically advanced wireless adapter to seamlessly integrate into a new or existing wireless network.

### Features
- EZ Installation Wizard
- IEEE802.11g draft and 802.11b compliant
- High data rates at up to 54Mbps
- Operating range of up to 1,155 ft
- 2.4GHz frequency band
- Uses Orthogonal Frequency Division Multiplexing (OFDM) technology
- Ad-hoc or infrastructure mode
- 64-bit and 128-bit WEP encryption, Wi-Fi Protected Access (WPA)*, 802.1x* for authentication

### Benefits
- IEEE802.11g draft and backward compatibility to existing 802.11b standard means that you can use the new Wireless Cardbus Adapter at home, office and even at hotspots where the popular 2.4GHz wireless networks are deployed
- High performance 54Mbps is extremely fast and can handle streaming video, multimedia and all other bandwidth-intensive applications
- Advanced security through 64/128-bit WEP encryption, Wi-Fi Protected Access (WPA)*, 802.1x* to authenticate appropriate personnel to access network resources
- Site survey utility scans for all available access points on the wireless network

### Compatibility
- Windows 9x/ME/2000/XP
- IEEE802.11g draft, 802.11b

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**SPECIFICATIONS**

**Standards**
- IEEE802.11g draft, 802.11b

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

**Operating Range**
- Up to 1,155 ft

**Network Configuration**
- Ad-Hoc (Peer-to-Peer)
- Infrastructure

**Security**
- 64-/128-bit Wired Equivalent Privacy (WEP)
- 802.1x*
- WPA*

**Operating Frequency**
- 2.400MHz ~ 2497MHz for Japan
- 2400MHz ~ 2483.5MHz for North America, Europe
- 2455MHz ~ 2475MHz for Spain
- 2446.5MHz ~ 2483.5MHz for France

**Operating Channel**
- 11 channels (US, Canada)
- 13 channels (Europe)
- 14 channels (Japan)

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

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

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

**Operating Systems**
- Windows 9x/ME/2000/XP

**Antenna Type**
- Built-in diversity patch antenna

**Antenna Gain**
- 1.5 dBi

**Power Voltage**
- 3.3V ± 5%

**Power Consumption**
- Tx (480mA); Rx (380mA)

**Dimension**
- 113mm x 53mm (4.5” x 2.125”)

**Weight**
- 46g (0.10lbs)

**Host Interface**
- 32-bit CardBus with PCMCIA Type II

**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: IC RSS139
- Japan: Telec RCR STD 33, T66; JETA

**Temperature**
- In operation: 0°C ~ 60°C
- In storage: -20°C ~ 65°C

**Humidity:**
- 20% ~ 80% (non-condensing)

**Warranty:**
- Limited lifetime

* available in Q2, 2003