The EZ Connect™ g 54Mbps Wireless USB 2.0 Adapter (SMC2862W-G) is another cutting edge introduction in 2.4GHz wireless communication for your laptop or desktop. 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 IEEE 802.11g standard, the EZ Connect™ g Wireless USB 2.0 Adapter is 5 times faster than the widely used 802.11b wireless networking devices and is 100% compatible with existing 802.11b wireless networks. With the addition of PRISM Nitro™ technology, the SMC2862W-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 SMC2862W-G complies with USB 2.0 and is backward compatible with USB 1.1. With a USB performance of 480 Mbps (40 times the speed of USB 1.1), this new product can take full advantage of the 802.11g bandwidth. Its compact, sleek design makes it convenient and easy to carry. Using the new SMC2862W-G, you can simplify PC connections in the home, office or on the road.

The EZ Connect™ g 54Mbps Wireless USB 2.0 Adapter includes an EZ Installation Wizard that enables quick and easy setup. Simply put the EZ Installation Wizard CD into your CD drive, click on Install Driver/Utility Link, the wizard will perform the installation automatically. Then plug in your SMC2862W-G into the USB slot of your laptop, and you are now ready to enjoy the freedom of wireless networking.

To ensure secure transmissions across your wireless network, this USB adapter supports 64/128-bit Wired Equivalent Privacy (WEP), 802.1x authentication, and Wi-Fi Protected Access (WPA). Wi-Fi Protected Access (WPA) is a set of interoperable security improvements that greatly increase the level of data encryption and authentication for existing and future wireless LAN systems. In addition, the EZ Connect™ g 54Mbps Wireless USB 2.0 Adapter offers an auto-fallback feature that provides scalable connectivity under noisy environments and enables a larger wireless operating range.

This wireless USB adapter combines the ease-of-use and convenience of USB-enabled PCs with the benefits of high speed 54Mbps wireless operation in a full-featured solution for the networked environment. It connects instantly with an existing Ethernet installation to support mobile users, temporary work sites, sharing of peripherals, and wireless multimedia. Wireless solutions provide the ultimate in mobility, simple and flexible installation options, a reduced cost of ownership (no cabling costs or maintenance), and excellent scalability in supporting additional PCs on the LAN.

### Features
- EZ Installation Wizard
- Plug-and-Play™
- Wireless connectivity via high speed USB 2.0 port
- Compact and sleek design
- IEEE 802.11b and 802.11g-Compliant
- Up to 54 Mbps wireless LAN
- Adhoc or Infrastructure mode
- 2.4GHz frequency band
- Uses Direct Sequence Spread Spectrum (DSSS) and Orthogonal Frequency Division Multiplexing (OFDM) technology
- Robust security features include 64-bit/128-bit WEP encryption, 802.1x authentication, and Wi-Fi Protected Access (WPA)

### Benefits
- USB 2.0 interface with 480 Mbps high data rate performance – up to 40 times faster than USB v1.0 and 1.1
- Compact, easy to carry form factor
- Significantly increases the performance of mixed-mode 802.11b and 802.11g networks and 802.11g-only networks - up to 3x more throughput in mixed-mode networks and up to 50% more throughput improvement in 802.11g-only networks. It also increases the range and provides extended coverage in your home or office
- Advanced security through 64-bit/128-bit WEP encryption, 802.1x authentication, and Wi-Fi Protected Access (WPA) to protect your information and to ensure secure data transmissions
- Provides high speed wireless communication at up to 54 Mbps; 802.11g compliance allows seamless interoperation among multiple vendors
- Ability to scan for all available Access Points on the wireless network and create multiple profiles, making it easy to use in the home, office or on the road
- Plug and play, no configuration needed
- Simple and easy installation on Windows 2000/XP

### Compatibility
- IEEE 802.11b
- IEEE 802.11g
- USB 1.0, 1.1, 2.0
EZ Connect™g
2.4GHz 54 Mbps Wireless Compact USB 2.0 Adapter

SMC2862W-G

Standards:
• 802.11b
• 802.11g
• USB 1.0, 1.1, 2.0

Modulation Type:
• 16-QAM, 64-QAM, BPSK, QPSK, CCK

Operating Channels:
• 11 channels (US, Canada)
• 13 channels (ETSI)
• 14 channels (Japan)

Radio Technology:
• Direct Sequence Spread Spectrum
• Orthogonal Frequency Division Multiplexing

Security:
• 64-bit/128-bit Wired Equivalent Privacy (WEP)
• Wi-Fi Protected Access (WPA)
• 802.1x authentication

Data Rates:
• 1 / 2 / 5.5 / 11 Mbps
• 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54 Mbps

Output Power:
• 17 dBm max

Receive Sensitivity:
• 802.11b
• 8% FER@1Mbps: -91dBm
• 8% FER@2Mbps: -88dBm
• 8% FER@5.5Mbps: -85dBm
• 8% FER@11Mbps: -83dBm

802.11g
• 10% PER@54Mbps: -68dBm
• 10% PER@6Mbps: -88dBm
• 10% PER@9Mbps: -87dBm
• 10% PER@12Mbps: -84dBm
• 10% PER@18Mbps: -82dBm
• 10% PER@24Mbps: -79dBm
• 10% PER@36Mbps: -75dBm
• 10% PER@48Mbps: -69dBm

Interface:
• USB 2.0 (backwards compatible with 1.0, 1.1)

Antennas:
• On-board

Operating Temperature:
• 0°C to 55°C

Humidity:
• Max 95% condensing

Compliance:
• FCC part 15
• ETSI / CE-mark
• Industry Canada
• C-Tick

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