

wireless

EZ Connect™

802.11a Wireless Cardbus Adapter

Model Number: SMC2735W



The SMC EZ Connect 802.11a Wireless Cardbus Adapter (SMC2735W) is based on the new IEEE 802.11a wireless standard and provides the perfect solution for both home and business users. Using an enhanced "turbo mode" feature, this new SMC Wireless Adapter is capable of communication speeds up to 72Mbps, which is 7-times faster than 802.11b-based devices, and can also support a maximum operating range up to 1,650 feet. To provide network security, the EZ Connect adapter supports encryption using both 64-bit and 128-bit WEP, and provides an extra security feature with 152-bit WEP. Combine these features with simple Plug-and-Play support and you have the perfect solution for any of your wireless needs.

The SMC EZ Connect 802.11a Wireless Cardbus Adapter (SMC2735W) supports the best possible connection, through an integrated automatic fallback feature, that automatically connects at either 6,9,12,18,24,36,48, 54, and 72 Mbps. Operating in the 5GHz spectrum, this adapter is able to function without interference from other devices, such as 802.11b products and cordless phones, which communicate in the crowded 2.4GHz range. The SMC EZ Connect Wireless Cardbus adapter functions at such an amazing speed that can handle such applications as streaming video, voice communication, and other bandwidth-intensive programs. By utilizing this new 802.11a wireless technology, individuals can experience an instant, seamless, and amazingly fast network connection that is simple to use.

Overview

Features

- 802.11a High Speed Wireless LAN connection
- Operates in the Uncrowded 5GHz UNII Frequency Spectrum
- Advanced Security through 64-bit/128-bit/152-bit WEP Encryption
- Plug-and-Play configuration that is simple and easy to use
- Supports Major Operating Systems

Benefits

- Enhanced "turbo mode" communication supports up to 72 Mbps, which is 7 times faster than a standard 802.11b WLAN device.
- Fast enough to replace a standard wired connection, 802.11a communication can handle streaming audio and video, voice, data, and other bandwidth-intensive applications without compromising performance or reliability.
- Unlike the cluttered 2.4GHz ISM frequency band, the 5GHz spectrum is clean and without interference from 802.11b or Bluetooth devices, microwave ovens, or cordless phones.
- Auto Fallback data rate (6,9,12,18,24,36,48,54,72 Mbps) under noisy environment
- 64-bit/128-bit/152-bit WEP Encryption provides secure data communication across the network.

Compatibility

- IEEE 802.11a
- Windows 98/Me/NT/2000/XP

EZ Connect™

802.11a Wireless Cardbus Adapter

wireless

SPECIFICATIONS

SMC2735W

Data Rates

6,9,12,18,24,36,48,54,72 Mbps

Operating Range

Indoor:

180 ft @ 6 Mbps
120 ft @ 24 Mbps
60 ft @ 54 Mbps

Outdoor:

135 ft @ 54 Mbps
800 ft @ 24 Mbps
1650 ft @ 6 Mbps

Modulation Type

OFDM (BPSK,QPSK,16-QAM,64-QAM)

Frequency Band

5.15 ~ 5.25GHz (lower band) for US/Canada, Japan
5.25 ~ 5.35GHz (middle band) for US/Canada

Operating Channels

8 channels in base mode (US, Canada)
3 channels in turbo mode
5 channels (Japan)

Encryption

64/128/152 -bit WEP encryption

Operating Systems

Windows 98/Me/NT/2000/XP

Dimensions

4.625 x 2.125 x 0.375 in

Weight

0.04 lbs

Antenna

Built-in

LEDs

Power
Network

Host Interface

PCMCIA Type II

Operating Voltage

3.0V ~ 3.6V

Standards

802.11a

Temperature

Operating: 0° - 55° C
Storage: -40° - 65° C

Humidity

5% - 95% (non-condensing)

Regulatory Compliance

Safety

UL 1950-3
CSA 950-95

EMI

FCC part 15 15.407(b)
CISPR 22-96

SAR

FCC 15.407(f)
RSS 102

Power Limit

FCC 15.407(a)
IC RSS 210
TELEC

ESD

EN61000-4-2

Warranty

Limited lifetime

* Distance thresholds can be drastically reduced by environmental interference. For questions regarding likely-case wireless ranges please visit us on the web at www.smc.com or call us toll-free at 1-800-SMC-4YOU

Product	Description
SMC2735W	EZ Connect 802.11a Wireless Cardbus Adapter