SMC EZ Connect™ g 2.4GHz 54Mbps Wireless PCI Card

SMC2802W

Connect 5X Faster Where You Want And When You Like It

SMC EZ Connect™ g 2.4GHz 54Mbps Wireless PCI Card (SMC2802W) is another cutting edge introduction in 2.4GHz wireless communication for your desktop computer. Designed for both business and home users, this new PCI 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 PCI Card is 5 times faster than the widely used 802.11b wireless networking devices and is 100% compatible with existing 802.11b wireless networks. The SMC2802W 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 PCI Card 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 SMC2802W EZ Connect g Wireless PCI Card 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, SMC2802W 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
- Utilizes 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 PCI Card with existing 2.4GHz wireless network with higher speed than ever
- 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
### 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
- 2400MHz ~ 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 - 12.5 dBm
- 16 QAM - 15.5 dBm
- QPSK - 17 dBm
- BPSK - 17.5 dBm
- DBPSK, DQPSK, CCK - 17.5 dBm

#### Sensitivity
- 802.11g: PER < 10%
  - 54Mbps -65 dBm
  - 48Mbps -66 dBm
  - 36Mbps -70 dBm
  - 24Mbps -72 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)

#### Antenna Connectors
- Reversed SMA

#### Antennas
- Link

#### Power Voltage
- 3.3V ± 5%

#### Power Consumption
- Tx (500mA); Rx (400mA)

#### Dimension
- 121mm x 134mm (4.84” x 5.36”)

#### Weight
- 85g (0.19lbs)

#### Host Interface
- PCI v2.2

#### 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