SMCWPCI-G2
EZ Connect™ g 802.11g 54Mbps Wireless PCI Adapter

OVERVIEW
The EZ Connect™ g 802.11g Wireless PCI Adapter (SMCWPCI-G2) is the ideal networking solution for your home and small offices. The SMCWPCI-G2 supports data rates up to 54Mbps and is fast enough to handle video streaming, multimedia and other bandwidth-intensive applications. It is fully compatible and interoperable with standard 802.11b and 802.11g products. The SMCWPCI-G2 lets you put your desktop almost anywhere in your home or office without the hassle of running network cables. The SMCWPCI-G2 provides a high level of security by supporting both 64/128-bit WEP encryption and the Wi-Fi Protected Access (WPA and WPA2). It also includes an EZ Installation Wizard for quick and easy setup and a SMC Wireless Utility program for efficient network management of your wireless network. The EZ Connect™ g 802.11g Wireless PCI Adapter brings you a cost-effective solution by providing speed, coverage, and security to your network.

KEY FEATURES
- High data rates at up to 54Mbps; Interoperates with standard Wireless-B and Wireless-G products
- High Performance 54Mbps is fast enough to handle video streaming, multimedia and all other bandwidth-intensive applications. Backward compatibility to existing 802.11b standard allows you to use the adapter at 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 PCI Adapter
- 64/128-bit Wireless Protected Access (WEP) encryption and Wi-Fi Protected Access (WPA and WPA2) security
- Advanced security through 64/128-bit WEP encryption, Wi-Fi Protected Access (WPA and WPA2) to secure your network by authenticating appropriate personnel to access network resources
- SMC Wireless Network Manager utility -- Site Survey and Profile Management
- The site survey utility scans for all available access points on the wireless network. Profile Management allows you to create and save multiple profiles for different wireless network settings.

APPLICATION DIAGRAM

![Application Diagram](image-url)
## TECH SPECS - SMCWPCI-G2

### STANDARDS
- IEEE 802.11g, 802.11b

### INTERFACE
- PCI v2.2 (5v/3.3v)
- Low profile bracket included

### DATA RATE
- 1 / 2 / 5.5 / 11 Mbps
- 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54 Mbps

### OPERATING RANGE
- **Outdoor**:
  - up to 1,155ft / 350m at 1Mbps
  - up to 197ft / 60m at 54 Mbps
- **Indoor**:
  - up to 246ft / 75m at 1 Mbps
  - up to 131ft / 40m at 54 Mbps

### NETWORK CONFIGURATION
- Ad-Hoc (Peer to Peer)
- Infrastructure

### MODULATION
- Orthogonal Frequency Division Multiplexing (OFDM)
- Complementary Code Keying (CCK)

### SECURITY
- 64-bit/128-bit Wired Equivalent Privacy (WEP)
- Wi-Fi Protected Access (WPA and WPA2)
- Advanced Encryption Standard (AES)
- 802.1x authentication

### OPERATING CHANNEL
- 11 channels (US, Canada)
- 13 channels (ETSI)
- 14 channels (Japan)

### OUTPUT POWER
- 18dBm max (North America)
- 14dBm max (Europe)

### SENSITIVITY
- **802.11b**
  - 1Mbps: -86dBm
  - 2Mbps: -84dBm
  - 5.5Mbps: -82dBm
  - 11Mbps: -80dBm
- **802.11g**
  - 6 Mbps: -82dBm
  - 9 Mbps: -81dBm
  - 12Mbps: -79dBm
  - 18Mbps: -77dBm
  - 24Mbps: -74dBm
  - 36Mbps: -70dBm
  - 48Mbps: -65dBm
  - 54Mbps: -65dBm

### OPERATING SYSTEMS
- Windows 2000/XP/Vista

### ANTENNA GAIN
- 2.0 dBi peak

### ANTENNA TYPE
- External SMA (detachable)

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### RADIO TECHNOLOGY
- Direct Sequence Spread Spectrum
- Orthogonal Frequency Division Multiplexing

### DIMENSION
- **Unit**
  - 120mm x 39mm
  - 4.72in x 1.54in
- **Package**
  - 235 x 177 x 33mm
  - 9.25 x 6.97 x 1.30 in

### WEIGHT
- **Unit**
  - 45g
  - 0.1lbs
- **Package**
  - 216g
  - 0.48lbs

### COMPLIANCE
- FCC part 15
- ETSI / CE-mark
- NCC
- C-Tick

### TEMPERATURE RANGE
- **Operating**: 0° to 50° C / 32° to 122° F
- **Storage**: 0° to 70° C / 32° to 158° F

### HUMIDITY
- 5-90% non-condensing

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### CONTACT

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