

SMCWPCIT-G EZ Connect™g 802.11g 108Mbps PCI Wireless Adapter



OVERVIEW

The 802.11g 108Mbps PCI Wireless Adapter (SMCWPCIT-G) 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 IEEE 802.11g standard, the new EZ Connect™g Wireless PCI Card is 15 times faster than the widely used 802.11b wireless networking devices and is 100% compatible with existing 802.11b wireless networks. The SMCWPCIT-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 new and improved SMCWPCIT-G 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% throughput improvement in 802.11g-only networks. It also increases the range and provides extended coverage in your home or office.

The 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. Then plug in your EZ Connect™g Wireless PCI Card into the desktop computer, you are now ready to enjoy the freedom of wireless networking.

The new SMCWPCIT-G EZ Connect™g Wireless PCI Card offers high-speed data rate at up to 108Mbps. 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 802.1x 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, SMCWPCIT-G has a built-in utility program for scanning all available Wireless Access Points on the network. Combine all of these features with our free 24/7 technical support and you have a state-of-the-art, technologically advanced wireless adapter to seamlessly integrate into a new or existing wireless network.

FEATURES	BENEFITS
EZ Installation Wizard	EZ Installation Wizard ensures simple and easy setup of the new 802.11g 108Mbps PCI Wireless Adapter High Performance 108Mbps 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
IEEE 802.11g and 802.11b compliant	Backward compatibility to existing 802.11b standard means that you can use the new Wireless PCI Card at home, office and even at hotspots where the popular 2.4GHz wireless networks are deployed
High data rates at up to 108 Mbps	The new improved SMCWPCIT-G 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% throughput improvement in 802.11g-only networks
2.4GHz frequency band	It also increases the range and provides extended coverage in your home or office
Uses Direct Sequence Spread Spectrum (DSSS) and Orthogonal	Profile management lets you create and save multiple profiles for different wireless network settings
Frequency Division Multiplexing (OFDM) technology	Site survey utility scans for all available Access Points on the wireless network
Supports major Windows operating systems	Supports Windows 98SE/ME/2000/XP
Ad-hoc or Infrastructure mode	
64-bit and 128-bit WEP encryption, Wi-Fi Protected Access (WPA), 802.1x for authentication Site survey utility	
Ability to define multiple Profile settings	



TECHNICAL SPECIFICATIONS

SMCWPCIT-G

STANDARDS

- 802.11B
- 802.11G

NETWORK CONFIGURATION

- AD-HOC (PEER-TO-PEER)
- INFRASTRUCTURE

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)
- ADVANCED ENCRYPTION STANDARD (AES)
- 802.1X AUTHENTICATION

DATA RATES

- 1 / 2 / 5.5 / 11 MBPS
- 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54 MBPS
- SMC 108G - 108MBPS

OUTPUT POWER

- 15 DBM MAX

RECEIVE SENSITIVITY

- 802.11B
 - 1MBPS: -86DBM
 - 2MBPS: -84DBM
 - 5.5MBPS: -82DBM
 - 11MBPS: -80DBM
- 802.11G
 - 6MBPS: -88DBM
 - 9MBPS: -87DBM
 - 12MBPS: -84DBM
 - 18MBPS: -82DBM
 - 24MBPS: -79DBM
 - 36MBPS: -75DBM
 - 48MBPS: -68DBM
 - 54MBPS: -68DBM

INTERFACE

- PCI V2.2 (5V/3.3V)

ANTENNA

- EXTERNAL SMA (DETACHABLE)
- 2.0 DBI PEAK

OPERATING TEMPERATURE

- 0°C TO 55°C
- 0°F TO 131°F

STORAGE TEMPERATURE

- -20°C TO 75°C
- -4°F TO 167°F

HUMIDITY

- 5-90% NON-CONDENSING

COMPLIANCE

- FCC PART 15
- ETSI / CE-MARK
- INDUSTRY CANADA
- C-TICK

COMPATIBILITY

- IEEE 802.11B
- IEEE 802.11G
- WINDOWS 98SE/ME/2000/XP

OPERATING RANGE

- OUTDOORS: UP TO 1,155 FEET / 350 METERS
- INDOORS: UP TO 328 FEET / 100 METERS

Contact

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