SMCWPCIeS-N5
EZ Connect™ N Wireless PCIe Adapter

Product Overview
The EZ Connect N Wireless PCIe Adapter (SMCWPCIeS-N5) is another cutting-edge introduction in 2.4 GHz wireless communications for desktop computers. Designed for the home and office, this wireless PCIe adapter provides the speed, coverage, and security expected by today’s wireless users. The SMCWPCIeS-N5 is Wi-Fi compatible for full compliance with IEEE 802.11b/g standards and based on IEEE 802.11n technology, which can reach wireless speeds of up to 150 Mbps, enough to simultaneously stream video and audio, play online games, transfer large files, make VoIP calls, and surf the Internet. With security being a key consideration, the SMCWPCIeS-N5 supports the latest WPA and WPA2 wireless encryption standards, which prevent unauthorized access to wireless networks and ensure data is secure.

Key Features and Benefits
- **Compatible with IEEE 802.11b/g Wireless Networks**
  Compliant with IEEE 802.11g and 802.11b standards; based on IEEE 802.11n technology.
- **Support for WEP, WPA, and WPA2**
  Prevents unauthorized access to your wireless network and insures your data is secure.
- **150 Mbps Wireless Speed**
  Perfect for streaming video and music, online gaming, and networking multiple PCs.

Windows 7 and 8 Compatible
Support for Windows 7 and 8 systems.

Installation Wizard

Application Diagram
Features

Standards
IEEE 802.11b/g
IEEE 802.11n
IEEE 802.11i
IEEE 802.11e

Interface
PCI-Express (PCIe) 2.0
Low-profile bracket included
Link/Activity status LED
2 dBi detachable omni directional antenna (RP-SMA)

Data Rate
11n:
135/121.5/108.8/85.5/72/54/48/36/27/18/12/6 Mbps (dynamic)
65/58.5/52/39/26.5/19.5/13/6.5 Mbps (dynamic)

11g: 54/48/36/24/18/12/9/6 Mbps (dynamic)
11b: 11/5.5/2/1 Mbps (dynamic)

Network Configuration
Ad hoc (peer to peer)
Infrastructure

Modulation
OFDM/CCK/16-QAM/64-QAM

Security
64/128-bit WEP encryption, AES, TKIP
Wi-Fi Protected Access Home Mode (WPA-PSK/WPA2-PSK)
Wi-Fi Protected Access Enterprise Mode (WPA/WPA2)

Operating Channel
11 channels (US, Canada), 2412–2462 MHz
13 channels (ETSI), 2412–2472 MHz

RF Power
17 dBm (max)

Receive Sensitivity
130M: -68 dBm@10% PER
108M: -68 dBm@10% PER
54M: -68 dBm@10% PER
11M: -85 dBm@8% PER
6M: -88 dBm@10% PER
1M: -90 dBm@8% PER

Operating Systems
Windows XP/Vista/7/8

Packaging Contents
- Wireless PCIe Adapter x 1
- Low-profile bracket x 1
- Quick Install Guide x 1
- EZ Installation Wizard & Document CD x 1
- SMC Warranty Card x 1
- 2 dBi detachable antenna x 1

Dimensions
Unit
4.8 x 2.6 x 0.78 in (122 x 67 x 19 mm)
Package
7.9 x 5.7 x 1.4 in (202 x 145 x 35 mm)

Weight
Unit: 32 g
Antenna: 9 g per piece

Temperature
Operating: 0°C~40°C (32°F~104°F)
Storage: -40°C~70°C (-40°F~158°F)

Humidity
Operating: 10%-90% relative humidity
Storage: 10%-90% relative humidity

Compliances
CE
FCC
Compliant with RoHS

Warranty
Please check www.smc.com for the warranty terms in your country/region.

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