SMCWPCI-N5
EZ Connect™ N Wireless PCI Adapter

Product Overview
The SMCWPCI-N5 is designed to provide high-speed wireless connectivity for your computer. The PCI adapter card complies with IEEE 802.11n, 802.11g, and 802.11b standards, and supports wireless transmission rates that can reach up to 300 Mbps. The PCI card employs MIMO technology and has two external detachable omnidirectional antennas that deliver improved wireless performance, higher transmission rates, better stability, and extended coverage. This product supports 64/128/152-bit WEP encryption in addition to its WPS (Wi-Fi Protected Setup) feature, which allows users to quickly and easily configure wireless security.

Key Features and Benefits
Compatible with IEEE 802.11b/g/n Wireless Networks
Complying with IEEE 802.11n, IEEE 802.11g, and 802.11b standards, it can perfectly interoperate with all 802.11n/g/b devices. It also supports infrastructure and ad hoc modes.

WEP Encryption and IEEE 802.1X
Advanced security through 64/128/152-bit WEP, AES, and TKIP encryption to secure your network by authenticating user access to network resources.

Wi-Fi Protected Setup (WPS)
The WPS utility ensures simple and easy security setup of the new EZ Connect™ N Wireless PCI Adapter.

Supports infrastructure and ad-hoc modes

Application Diagram
**Features**

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

**Interface**
- PCI 2.0
- 32-bit PCI connector
- Low-profile bracket included

**Data Rate**
<table>
<thead>
<tr>
<th>Mode</th>
<th>Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td>11n:</td>
<td>270/243/216/162/108/81/54/27 Mbps</td>
</tr>
<tr>
<td></td>
<td>135/121.5/108/81/54/40.5/27/13.5 Mbps</td>
</tr>
<tr>
<td></td>
<td>130/117/104/78/52/39/26/13 Mbps</td>
</tr>
<tr>
<td></td>
<td>65/58.5/52/39/26/19.5/13/6.5 Mbps (dynamic)</td>
</tr>
<tr>
<td>11g:</td>
<td>108/54/48/36/24/18/12/9/6 Mbps (dynamic)</td>
</tr>
<tr>
<td>11b:</td>
<td>11/5.5/2/1 Mbps (dynamic)</td>
</tr>
</tbody>
</table>

**Network Configuration**
- Ad hoc (peer to peer)
- Infrastructure

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

**Security**
- 64-bit/128-bit/152-bit Wired Equivalent Privacy (WEP)
- Advanced Encryption Standard (AES)
- TKIP Supported

**Operating Channel**
- 11 channels (US, Canada), 2412~2462 MHz
- 13 channels (ETSI), 2412~2472 MHz

**RF Power**
- 16 dBm (max)

**Receive Sensitivity**
- 270M: -68 dBm@10% PER
- 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

**Antenna Gain**
- 2 dBi

**Antenna Type**
- Two detachable omnidirectional antennas

**Packaging Contents**
- Wireless PCI 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 2

**Dimensions**
- Unit: 4.8 x 4.8 x 0.78 in (122 x 121 x 19 mm)
- Package: 7.9 x 5.7 x 1.4 in (202 x 145 x 35 mm)

**Weight**
- Unit: 47 g
- Antenna: 9 g per piece

**Temperature**
- Operating: 0ºC~40ºC (32ºF~104ºF)
- Storage: -40ºC~70ºC (-40ºF~158ºF)

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

**Compliances**
- CE
- FCC
- IC
- Compliant with RoHS

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

©2013 SMC Networks. EZConnect™ is a trademark of SMC Networks. Other trademarks or registered trademarks are the property of their respective owners. Information is subject to change without notice. All rights reserved.

**Contact**

**Edge-Core Networks Corporation**
Worldwide Corporate and Sales Headquarters
No. 1 Creation Road III,
Hainchu Science Park,
30077, Taiwan, R.O.C.
Tel: +886 3 5638888 Fax: +886 3 6686111

Singapore
No 15, Enggor Street,
#10-04 Realty Centre,
Singapore 079716
Tel: 65-63387667 Fax: 65-63387767

Check www.smc-asia.com or www.smc.com for your local country contact information