SMCWPCI-N3
EZ Connect™ N Wireless PCI Adapter

Product Overview
The SMCWPCI-N3 is designed to provide a high-speed wireless and PHY performance for your computer complies with IEEE 802.11n, 802.11g, and 802.11b standards. Wireless transmission rates can reach up to 300Mbps. The PCI card employs MIMO technology and has two external detachable omni directional antennas providing even better wireless performance, transmission rates, stability and coverage. At the same time, CCA™ technology automatically avoids channel conflicts using its channel selection feature. This product supports 64/128/152-bit WEP encryptions, as well as WPA/WPA2 and WPA-PSK/WPA2-PSK encryptions and mechanisms in addition to the adapter’s WPS (Wi-Fi Protected setup) feature, allowing users to quickly and easily configure wireless security.

Key Features and Benefits

Compatible with IEEE802.11b/g/n wireless networks
Complies with IEEE 802.11g and 802.11b standards. It can perfectly interoperate with all the 802.11n/g/b devices.

Security features include 64/128/152-bit WEP encryption, WPA, WPA2 and IEEE 802.1x
Advanced security through 64/128/152-bit WEP encryption, Wi-Fi Protected Access (WPA and WPA2) to secure your network by authenticating appropriate personnel to access network resources

Wi-Fi Protected Setup (WPS) for easy and secure wireless connections
The WPS utility ensures simple and easy setup of the new EZ Connect™ N Wireless PCI-E Adapter

Supports infrastructure and ad-hoc modes

Compatible with 11g and 11b equipments, Intel Centrino Compatibility tested
It can also work well with other 11g and 11n wireless products.

APPLICATION DIAGRAM
Features

STANDARDS
802.11b, 802.11i, 802.11e, compatible with 802.11n

INTERFACE
PCI-E 2.0
Low-profile bracket available
32-bit PCI connector

DATA RATE
11n: 270/243/216/180/162/108/81/54Mbps
130/117/104/78/60/48/36/27/18/12/9/6Mbps (Dynamic)
65/58.5/52/39/26/19.5/13.5/6.5Mbps (Dynamic)

135/121.5/108/81/54/40.5/27/13.5Mbps
130/117/104/78/52/39/26/13Mbps

11g: 108/54/48/36/24/18/12/9/6 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-bit/128-bit/152-bit Wired Equivalent Privacy (WEP)
Wi-Fi Protected Access
(WPA/WPA2, WPA-PSK/WPA2-PSK)
Advanced Encryption Standard (AES)
TKIP Supported

OPERATING CHANNEL
11 channels (US, Canada)
13 channels (ETSI)

RF POWER
19dBm (max)

RECEIVE SENSITIVITY
270M: -88dBm@10% PER
130M: -88dBm@10% PER
108M: -88dBm@10% PER
54M: -88dBm@10% PER
11M: -85dBm@8% PER
6M: -88dBm@10% PER
1M: -90dBm@8% PER

OPERATING SYSTEMS
Windows 2000/XP/Vista/WIN 7

Antenna Gain (dBi)
1.8 dBi x 2

ANTENNA TYPE
Detachable Omni-directional Antenna

PACKAGING CONTENTS
Wireless PCI Adapter
Quick Install Guide
EZ Installation Wizard & Documentation CD
SMC Warranty Registration Card
2dBi detachable antenna * 2

DIMENSIONS
Unit
5.2 x 4.8 x 0.9 in.
133 x 121 x 22 mm

Package/Carton
24.8 * 15.4 * 11.8 in.
630 * 390 * 300 mm

TEMPERATURE RANGE
Operating Temperature 0℃~40℃ (32℉~104℉)
Storage Temperature -40℃~70℃ (-40℉~158℉)

HUMIDITY
Operating Humidity 10%~90% non-condensing
Storage Humidity 5%~90% non-condensing

Safety, Emission and others
CE,
FCC,
Compliant with RoHS

Warranty
2 Years

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