802.11n Wireless PCI Express Adapter

Addressing on the demand of high WLAN performance, PLANET introduces the 802.11n wireless PCI Express adapter – WNL-9501. With the PCI Express Bus Architecture and integrating the latest innovative 802.11n technology, the WNL-9501 provides maximum 150Mbps data rate which is almost three times of standard G. Featuring smart antenna technology, the 802.11n design helps combat distortion and interference, so the WNL-9501 can send its data stream to greater distances and be more reliable.

The WNL-9501 provides a feature rich wireless connectivity. It supports WMM to maintain stable quality of multimedia by granting high priority for such packets. For security, the WNL-9501 supports the most advanced mechanism, WPA2, to protect the information exchange safely through wireless. Moreover, in order to simplify the security configurations, WPS (Wi-Fi Protected Setup) is enhanced in the WNL-9501. It includes two types of WPS, Push-Button Configuration (PBC) and PIN code (key Wireless adapter card pin number). This design helps inexperienced users to secure their wireless network quickly and easily.

The driver and utility support most popular operating systems such as Windows XP, Vista and Windows 7. With advanced features and high performance capability, the WNL-9501 is an excellent choice for constructing a wide range of wireless solutions.
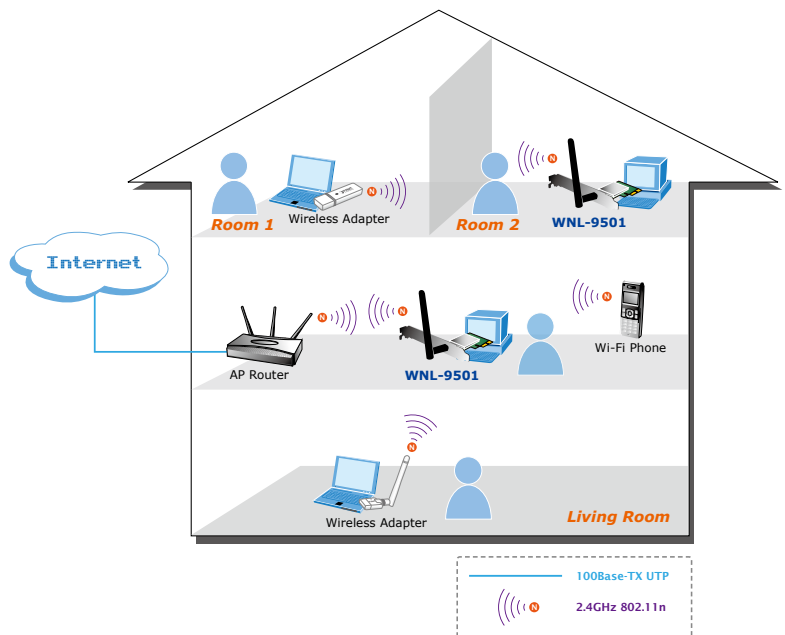
KEY FEATURES

- Compliant with PCI Express 1.0a - x1 PCI Express standard

- 2.4GHz ISM band, unlicensed operation

- Supports Wi-Fi Protected Setup (WPS) utility and hardware button

- Compliant with IEEE 802.11b / 802.11g / 802.11n

- Applies 802.11n standard to provide up to 150Mbps data rate

- Supports WPA/WPA2 high-level security mechanisms

- Supports WMM (WiFi Multi-Media) function to meet the multi-media data bandwidth requirement. (The connected wireless AP and the application must support WMM as well.)

- Supports Power Save mode

- High-efficiency antenna expands the scope of wireless network

- Supports most of popular operating systems including Windows XP, Vista and Windows 7

- Smart Antenna Technology with 1 transmitting and 1 receiving antennas

APPLICATIONS

Home Networking

PLANET Technology brings you 802.11n solution and makes your home networking easier than before. Via setting up the WNL-9501 in the center of house, it provides wide coverage and stable quality for home wireless connection. Installing the WNL-9501 to user's desktop offers the 100Mbps* wire speed without any wire constraint. From now on, users can surf the web, enjoy multimedia streaming, share files, and make VoIP calls wirelessly without any limitation.

*Actual data throughput is varied. Network conditions and environmental factors include network traffic flow, building materials and construction and network overhead, would lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

SPECIFICATION

Product	802.11n Wireless PCI Express Adapter
Model	WNL-9501
Interface	PCI Express 1.0a – x1 PCI Express
Standards Conformance	Compliant with IEEE 802.11b / 802.11g / 802.11n
Data Transfer Rate	IEEE 802.11b: 11/5.5/2/1M IEEE 802.11g: 54/48/36/24/18/12/9/6 IEEE 802.11n: UP to 150 Mbps
Operating Mode	Infrastructure Mode, Ad-Hoc Mode
Security	WEP 64/128bit, WPA, WPA2, WPA-PSK, WPA2-PSK
RF Modulation	802.11b: DSSS, CCK, QPSK, BPSK 802.11g: OFDM 802.11n: 64QAM, 16QAM, QPSK, BPSK
Media Access Protocol	CSMA / CA
Output Power	15dBm (max)
LED Indicators	Status
Channels	2.412~2.472GHz (Euro ETSI) 13 Channels 2.412~2.462GHz (FCC, Canada) 11 Channels
Management	Built-in utility or Windows XP Zero Configuration utility
Operating Systems	Windows XP / Vista / Windows 7
Environmental and Mechanical Characteristics	
Temperature	Operating: 0 - 55 Degree C Storage: -20 - 70 Degree C
Operating Humidity	Operating: 0 ~ 85% Storage: 0 ~ 95% Non-Condensing
Dimension (W x D)	65 x 45 mm (non-bracket)
Weight	40g (Exclude antenna)
Certifications	FCC, CE

ORDERING INFORMATION

WNL-9501	802.11n Wireless PCI Express Adapter

RELATED PRODUCTS

WNAP-1110	802.11n Wireless Access Point

C-WNL-9501