802.11n Wireless PCI Adapter

For higher wireless transferred performance, PLANET introduces the 802.11n wireless PCI adapter - WNL-9320. It is a PCI2.2 wireless adapter that can operate in either Ad-Hoc mode (Point to Point/Point to Multipoint without an Access Point) or Infrastructure mode (Point to Point/Point to Multipoint with an Access Point) 2.4GHz frequency band; it's backward compatible with 802.11b and 802.11g for users to create a new wireless environment based on the existing wireless network. With integrating the latest innovative 802.11n technology, the maximum data rate of WNL-9320 is up to 300Mbps which is almost six times of standard G.

Featuring smart antenna technology, the 802.11n design helps combat distortion and interference, so the Network Card can send its data streams with greater distances and be more reliable. The WNL-9320 supports the most convenient security, " Wi-Fi Protected Setup (WPS) "which is the way to build connection between wireless network clients and APs. This WNL-9320 supports two types of WPS, Push-Button Configuration (PBC) and PIN code (key Wireless adapter card pin number).
Note: AP should be supported the function of WPS while useing.

The WNL-9320 supports both 64/128-bit WEP (Wired Equivalent Privacy) and WPA/WPA2 (Wi-Fi Protected Access) for securing wireless network connections. The driver and utility support most popular operating systems, Windows 2000 / XP / Vista. With advanced features and high performance capability, the WNL-9320 is an excellent choice for constructing a wide range of wireless solutions.

KEY FEATURE

- 2.4GHz ISM band, unlicensed operation
- Supports Wi-Fi Protected Setup (WPS).
  Note: the function is not support in Windows Vista
- Compliant with IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (draft 2.0)
- Support PCI v2.1/2.2 standard
- Provides up to 300Mbps data rate
- Support 64/128-bit WEP and WAP/WAP2 high-level security mechanisms
- Support Ad-Hoc / Infrastructure mode
- Support WMM (WiFi Multi-Media) function to meet the multi-media data bandwidth requirement
- Support of Power Save mode
- High-efficiency antenna expands the scope of your wireless network
- Support of most popular operating systems including Windows 2000 / XP / Vista

Specification

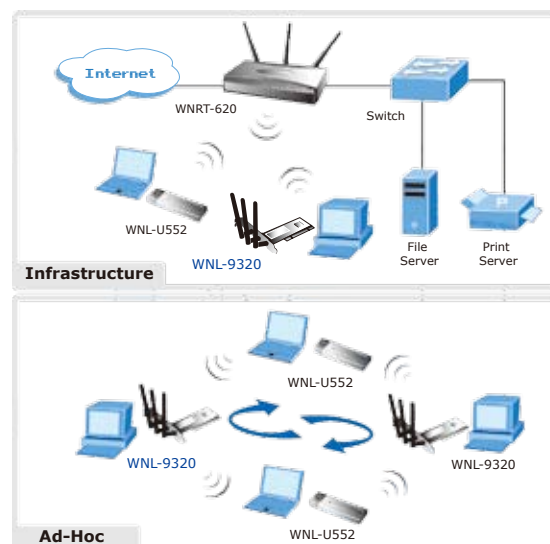| Product	802.11n Wireless PCI Adapter

Model	WNL-9320
Interface	Complaint with PCI 2.2 standard
Standards Conformance	Compliant with 802.11b / 802.11g / 802.11n (draft 2.0)
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: 300/270/243/240/216/180/162/120/108Mbps in 40Mhz mode
	145/130/117/104/ 78Mbps in 20Mhz mode
Operating Mode	Infrastructure Mode, Ad-Hoc Mode
Security	WEP 64/128bit, WPA, WPA2
RF Modulation	OFDM with BPSK, QPSK, 16QAM, 64QAM; DBPSK, DQPSK, CCK
Media Access Protocol	CSMA / CA
Antenna	External 3 Antennas with 2 TX and 3 RX (Connector: RP-SMA)
Sensitivity	**IEEE 802.11b:** 1Mbps (QPSK) : -91.5dBm, 11 Mbps (QPSK) : -88dBm
	IEEE 802.11g: 54Mbps (64QAM) : -90dBm, 6Mbps (BPSK) : -77.6dBm
	IEEE 802.11n:
	HT20Mbps: MCS0 -89.1dBm HT40Mbps: MCS0 -86.5dBm
	MCS7 -72.3dBm MCS7 -69.2dBm
	MCS8 -88.5dBm MCS8 -85.4dBm
	MCS15 -68.6dBm MCS15 -66.3dBm
Output Power	11b mode: 16~18dBm, 11g mode: 14~16dBm, 11n mode: 11~13dBm
LED Indicators	ACT, LNK
Channels	2.412~2.462GHz (FCC, Canada) /11 Channels
	2.412~2.4835GHz (Japan, TELEC) /14 Channels
	2.412~2.472GHz (Euro ETSI) /13 Channels
Management	Built-in utility or Windows XP Zero Configuration utility
Operating Systems	Windows 2000 / XP / VISTA
Electromagnetic Compatibility	FCC, CE

Applications

Infrastructure

For some environment with limitations on running Ethernet cables around, simply installs the WNL-9320 on PCs, and then users can get connection to the wired Ethernet through a wireless access point to access the network resource within the coverage of wireless signals. Replace the existing wireless device to wireless 802.11n router for increasing the coverage of wireless signals and can ensure seamless network access for mobile users.

Ad-Hoc

Need connect to several PCs or laptops wirelessly? Configuring all the wireless adapters to Ad-Hoc mode without wireless access point is the easiest and more economic way to meet this application.

Ordering Information

WNL-9320	802.11n Wireless PCI Adapter

Related Products

WNRT-620	802.11n Wireless Broadband Router
WNL-U552	802.11n Wireless USB2.0 Adapter

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