802.11n Wireless USB2.0 Adapter

For higher wireless transferred performance, PLANET introduces the 802.11n wireless USB2.0 adapter - WNL-U552. WNL-U552 is a USB2.0 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). Using 2.4GHz frequency band; it is backward compatible with 802.11b and 802.11g for users to create a new wireless environment based on existing wireless network. With integrating the latest innovative 802.11n technology, the maximum data rate of WNL-U552 is up to 300Mbps which is almost six times of standard G.

Featuring the smart antenna technology, the new design helps combat distortion and interference, so the Network Card can send its data streams with greater distances and be more reliable. The WNL-U552 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-U552 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-U552 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-U552 is an excellent choice for constructing a wide range of wireless solutions.

Key Feature

- 2.4GHz ISM band, unlicensed operation
- Support 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)
- USB 2.0 A-type standard, compatible with USB 1.1
- Data transfer rate up to 300Mbps
- Support 64/128-bit WEP and WPA / WPA2 high-level security mechanisms
- Support Ad-Hoc / Infrastructure mode
- Supports Wireless Multimedia Enhancements Quality of Service (QoS)
- Plug-and-Play installation
- Support of most popular operating systems including Windows 2000 / XP / Vista

Specification

Product	802.11n Wireless USB2.0 Adapter
Model	WNL-U552
Attach Interface	Complaint with USB 1.1/2.0 standard
LED Indicators	LINK / ACT
RF Modulation	OFDM with BPSK, QPSK, 16QAM, 64QAM; DBPSK, DQPSK, CCK
Antenna	Internal 2 patch antennas (2Tx 2Rx)
Sensitivity	**IEEE 802.11b:** 1Mbps (QPSK): -90.9dBm, 11 Mbps (QPSK): -86.6dBm **IEE802.11g:** 54Mbps (64QAM): -77dBm, 6Mbps (BPSK): -90.3dBm **IEEE 802.11n:** HT20Mbps: MCS0 -89dBm HT40Mbps: MCS0 -86dBm MCS7 -69dBm MCS7 -67.8dBm MCS8 -88dBm MCS8 -85dBm MCS15 -69dBm MCS15 -66.7dB
RF Output Power	IEEE 802.11b: 16~18dBm, IEEE 802.11g: 14~16dBm, IEEE 802.11n: 11~13dBm
Data Rate	IEEE 802.11n: up to 300Mbps IEEE 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6Mbps with auto-rate fall back IEEE 802.11b: 11, 5.5, 2, and 1Mbps with auto-rate fall back
Working Mode	Ad-Hoc, Infrastructure
Media Access Protocol	CSMA/CA + ACK (Half-Duplex)
Security	64/128 WEP, WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES)
Operating Frequency / Channel	2.412~2.462GHz (FCC, Canada) / 11 Channels 2.412~2.4835GHz (Japan, TELEC) / 14 Channels 2.412~2.472GHz (Euro ETSI) / 13 Channels
Operation System	Windows 2000/ XP / VISTA
Management	Built-in utility or Windows XP Zero Configuration utility
Power Consumption	TX power consumption: 485 mA, RX power consumption: 283 mA
Electromagnetic Compatibility	FCC, CE

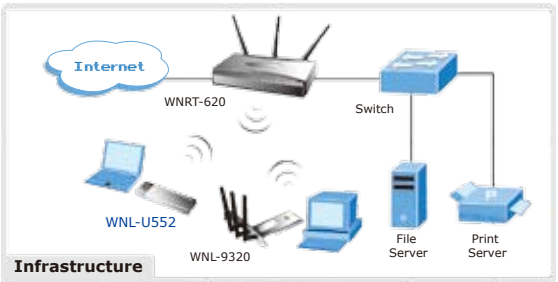
Applications

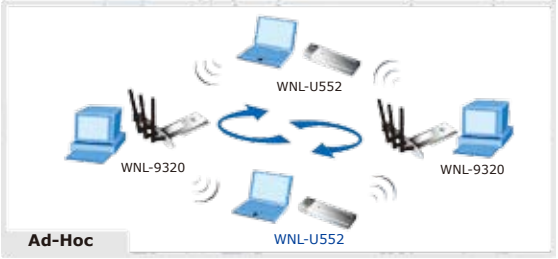
Infrastructure

For some environment with limitations on running Ethernet cables around, simply installs the WNL-U552 on PCs or laptops, 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 802.11n wireless router for increasing the coverage of wireless signals and 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-U552	802.11n Wireless USB2.0 Adapter

Related Products

WNRT-620	802.11n Wireless Broadband Router
WNL-9320	802.11n Wireless PCI Adapter

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