

## PCI Express Wireless N Adapter - 300 Mbps PCIe 802.11 b/g/n Network Adapter Card – 2T2R 2.2 dBi

StarTech ID: PEX300WN2X2



The PEX300WN2X2 PCI Express Wireless N Card (PCIe x1) adds high speed wireless network connectivity to almost any PCI Express-enabled desktop/workstation PC. Using a 2T2R (2 Transmitter/2 Receiver) design over the 2.4GHz frequency, this PCIe wireless card provides up to 300Mbps of data bandwidth over an 802.11n network, while improving signal reception and range.

Backward compatible with 802.11b/g networks (11/54Mbps), this WiFi N adapter offers a versatile wireless networking solution with support for standard and advanced security options such as WEP, WPA and WPA2, along with wireless Quality of Service (QoS) support and quick and easy setup through WPS.

This easy-to-install PCI Express 2.0 card is backed by StarTech.com's 2-year warranty and free lifetime technical support, making for an excellent wireless upgrade or first-time setup option.

### Applications

- Add wireless-N networking capabilities to a PCI Express-enabled desktop PC
- Connect a remote workstation PC to a wireless-N network, in environments where running network cables is not feasible

## Features

- 2 Transmitter/2 Receiver (2x2:2) antenna configuration
- Compliant with IEEE 802.11n standard, with support for up to 300Mbps of wireless data bandwidth
- Backward compatible with IEEE 802.11b/g standards for up to 11/54Mbps connections respectively with Wireless-B and Wireless-G networks
- Supported security features: WEP (64-128-bit), WPA, WPA2, WPS
- Support for WMM/WMM-PS Quality of Service (QoS)
- Infrastructure and Ad-Hoc network modes support
- Dual detachable 2dBi antennas
- Includes Low Profile/Half-Height installation bracket

**Technical Specifications**

Warranty	2 Years
Antenna Configuration	2x2:2 (TxR:S)
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Ralink RT5392
Industry Standards	IEEE 802.11b, IEEE 802.11g, IEEE802.11n
Interface	Wireless Ethernet
Bandwidth	20/40 MHz
Frequency Range	2.4 GHz ~ 2.484 GHz
Full Duplex Support	Yes
Maximum Data Transfer Rate	802.11n: 300 Mbps
Modulation	OFDM/DSSS/DBPSK/DQPSK/CCK
Security Features	TKIP/AES
Security Features	WEP Data Encryption
Security Features	WPA Data Encryption
Supported Protocols	CSMA/CA
Connector Type(s)	2 - RP-SMA (Coax; Reverse Polarity SubMiniature A) Female
OS Compatibility	Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64) Windows Server® 2008 R2, 2003(32/64) Linux 2.6.32
System and Cable Requirements	Available full profile PCI Express expansion slot
Product Height	0.7 in [18 mm]
Product Length	3 in [75 mm]
Product Weight	1.3 oz [36 g]
Product Width	1.9 in [49 mm]
LED Indicators	1 - Link/Activity (green)
Humidity	5% ~ 95% RH
Operating Temperature	-10°C to 70°C (14°F to 158°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Package Quantity	1
Shipping (Package) Weight	5.7 oz [162 g]
Included in Package	1 - PCI Express Wireless Networking Card
Included in Package	2 - Antenna
Included in Package	1 - Low Profile Bracket

Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

## Certifications, Reports and Compatibility

