

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

Product 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.

### Certifications, Reports and Compatibility



### 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

<b>Hardware</b>	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
<b>Performance</b>	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
		WEP Data Encryption
WPA and WPA2-PSK Data Encryption		
Supported Protocols	WPA and WPA2 Enterprise Data Encryption	
<b>Connector(s)</b>	Connector Type(s)	CSMA/CA
	Connector Type(s)	2 - RP-SMA (Coax, Reverse Polarity SubMiniature A) Female
<b>Software</b>	OS Compatibility	Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2 Linux 2.6.32 to 3.13.x <i>LTS Versions only</i>
<b>Special Notes / Requirements</b>	System and Cable Requirements	Available full profile PCI Express expansion slot
<b>Indicators</b>	LED Indicators	1 - Link/Activity (green)
<b>Environmental</b>	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)
<b>Physical Characteristics</b>	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]

<b>Packaging Information</b>	Package Quantity	1
	Shipping (Package) Weight	5.7 oz [162 g]
<b>What's in the Box</b>	Included in Package	1 - PCI Express Wireless Networking Card
		2 - Antenna
		1 - Low Profile Bracket
		1 - Driver CD
		1 - Instruction Manual

Product appearance and specifications are subject to change without notice.