

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

**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

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### Hardware

Warranty	2 Years
Interface	Wireless Ethernet
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Antenna Configuration	2x2:2 (TxR:S)
Industry Standards	IEEE 802.11b, IEEE 802.11g, IEEE802.11n
Chipset ID	Ralink - RT5392

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### Performance

Maximum Data Transfer Rate	802.11n: 300 Mbps
Bandwidth	20/40 MHz
Full Duplex Support	Yes
Frequency Range	2.4 GHz ~ 2.484 GHz
Modulation	OFDM/DSSS/DBPSK/DQPSK/CCK

Security Features	WEP Data Encryption
	TKIP/AES
	WPA and WPA2-PSK Data Encryption
	WPA and WPA2 Enterprise Data Encryption

Supported Protocols	CSMA/CA
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**Connector(s)**

Connector Type(s)	2 - RP-SMA (Coax, Reverse Polarity SubMiniature A)
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**Software**

OS Compatibility	Windows XP, Vista, 7, 8, 8.1, 10, 11
	Windows Server 2003, 2008 R2
	Linux 2.6.32 and up - LTS Versions only

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**Indicators**

LED Indicators	1 - Link/Activity (green)
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**Power**

Input Voltage	12V DC
Output Voltage	12V DC

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**Environmental**

Operating Temperature	-10C to 70C (14F to 158F)
Storage Temperature	-20C to 70C (-4F to 158F)
Humidity	5% ~ 95% RH

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**Physical Characteristics**

Color	Green
Material	Steel
Product Length	3.0 in [75 mm]
Product Width	1.9 in [4.9 cm]
Product Height	0.7 in [1.8 cm]
Weight of Product	1.3 oz [38 g]

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**Packaging Information**

Package Quantity	1
Package Length	5.4 in [13.8 cm]
Package Width	6.5 in [16.6 cm]
Package Height	1.4 in [3.5 cm]
Shipping (Package) Weight	5.9 oz [166.0 g]

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**What's in the Box**

Included in Package	1 - PCI Express Wireless Networking Card
	2 - Antenna
	1 - Low Profile Bracket
	1 - Driver CD
	1 - Instruction Manual

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**Warranty Information**

Warranty	2 Years
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*\*Product appearance and specifications are subject to change without notice.*

