

## Mini PCI Express Wireless N Card - 300Mbps Mini PCIe 802.11b/g/n WiFi Adapter - 2T2R

StarTech ID: MPEX300WN2X2



The MPEX300WN2X2 Mini PCIe Wireless N Card lets you add high-speed 802.11n network connectivity to your laptop or small form factor system, with support for data transfer rates up to 300Mbps.

For efficient wireless communication, the card uses a 2T2R (2 Transmitter, 2 Receiver) Multiple Input/Multiple Output design over the 2.4GHz frequency. MIMO antenna configurations employ multiple signal paths for greater bandwidth, fewer lost packets and greater reception, even under conditions of interference.

The 300Mbps wireless N adapter offers the necessary speeds for demanding network applications such as streaming video, VoIP and network backups, while also offering backward compatibility with 802.11b/g networks (11/54Mbps) to connect to older WiFi routers as needed.

Using a half-height mini PCIe express (Half Mini Card) form factor, this adapter is designed for use in the latest notebooks, small form factor computers (e.g. Mini-ITX), or custom embedded solutions where standard PCIe cards would not fit.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

### Applications

- Replace or upgrade an existing WiFi connection to IEEE 802.11n standards
- Add wireless-N networking capabilities to a mini-ITX or custom embedded system with no room for a standard PCIe card
- Connect to a wireless-N network in remote locations where wired connections are unavailable
- Add high-speed WiFi connectivity to support demanding applications such as streaming video, VoIP and network backups

## Features

- 2 Transmitter/2 Receiver (2x2:2) antenna configuration
- Compliant with IEEE 802.11n standards, with transfer rates up to 300Mbps
- Backward compatible with IEEE 802.11b/g standards for up to 11/54Mbps connections respectively
- Support for 64/128 bit WEP and WPA/WPA2 security
- Infrastructure and Ad-Hoc network mode support
- Broadcast distances up to 100m indoors, 300m outdoors
- Supports WMM, voice and video services
- Half-height Mini PCI Express interface

## Technical Specifications

Warranty	2 Years
Antenna Configuration	2x2:2 (TxR:S)
Bus Type	Mini PCI Express
Card Type	Embedded
Chipset ID	Realtek - RTL8192CE
Industry Standards	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Interface	Wireless Ethernet
Connector Type(s)	1 - Mini PCI Express x1 (52 pin) Male
Bandwidth	20/40 MHz
Frequency Range	2.4-2.484GHz
Maximum Data Transfer Rate	802.11n: 300 Mbps
Security Features	WEP Data Encryption
Security Features	WPA Data Encryption
OS Compatibility	Windows® 8 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64) Windows® Server 2012, 2008 R2, 2003(32/64) Linux Kernel 2.6.35 to 3.11
Product Height	0.1 in [3 mm]
Product Length	1.2 in [29.8 mm]
Product Weight	0 oz [0.4 g]
Product Width	1 in [26.5 mm]
Humidity	10~90% RH
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
System and Cable Requirements	Available Mini PCI Express expansion slot
Package Quantity	1
Shipping (Package) Weight	2.1 oz [60 g]
Included in Package	1 - Wireless Card
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

## Certifications, Reports and Compatibility

