

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

Product ID: MPEX300WN2X2



The MPEX300WN2X2 Mini PCI Express 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 PCI 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.

Certifications, Reports and Compatibility



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 PCI Express 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

Hardware	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
Performance	Bandwidth	20/40 MHz
	Frequency Range	2.4-2.484GHz
	Maximum Data Transfer Rate	802.11n: 300 Mbps
	Security Features	WEP Data Encryption WPA and WPA2-PSK Data Encryption WPA and WPA2 Enterprise Data Encryption
Connector(s)	Connector Type(s)	1 - Mini PCI Express x1 (52 pin) Male 1 - Wireless N (IEEE 802.11n)
Software	OS Compatibility	Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2016 Linux Kernel 2.6.35 to 4.4.x <i>LTS Versions only</i>
Special Notes / Requirements	System and Cable Requirements	Available Mini PCI Express expansion slot
Environmental	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)
Physical Characteristics	Product Height	0.1 in [3 mm]
	Product Length	1.2 in [30 mm]
	Product Weight	0.1 oz [4 g]
	Product Width	1 in [26 mm]
Packaging Information	Package Quantity	1
	Shipping (Package) Weight	2.3 oz [66 g]
What's in the Box	Included in Package	1 - Wireless Card 1 - Driver CD

Product appearance and specifications are subject to change without notice.