

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

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

Hardware

Warranty	2 Years
Interface	Wireless Ethernet
Bus Type	Mini PCI Express
Card Type	Embedded
Antenna Configuration	2x2:2 (TxR:S)
Industry Standards	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Chipset ID	Realtek - RTL8192CE

Performance

Maximum Data Transfer Rate	802.11n: 300 Mbps
Bandwidth	20/40 MHz
Frequency Range	2.4-2.484GHz
Security Features	WEP Data Encryption WPA and WPA2-PSK Data Encryption WPA and WPA2 Enterprise Data Encryption



Connector(s)

Connector Type(s)	Mini PCI Express x1 (52 pin)
	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
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Environmental

Operating Temperature	0C to 40C (32F to 104F)
Storage Temperature	-40C to 70C (-40F to 158F)
Humidity	10~90% RH

Physical Characteristics

Product Length	1.2 in [30 mm]
Product Width	1.0 in [26 mm]
Product Height	0.1 in [3 mm]
Weight of Product	0.1 oz [4 g]

Packaging Information

Package Quantity	1
Package Length	5.6 in [14.2 cm]
Package Width	6.7 in [17 cm]
Package Height	1.2 in [30 mm]
Shipping (Package) Weight	2.3 oz [66 g]



**What's in the
Box**

Included in Package	Wireless Card
	Driver CD
	Instruction Manual

****Product appearance and specifications are subject to change without notice.***

