

## AC600 Wireless-AC Network Adapter - 802.11ac, PCI Express - TAA

**Product ID:** PEX433WAC11



Upgrade your desktop PC or server to powerful 802.11ac wireless networking. This AC600 network card fits easily into a PCI Express expansion slot to give you dual-band wireless-AC connectivity with speeds up to 433 Mbps.

This wireless-AC adapter lets you add dual-band wireless-AC connectivity to a desktop computer through a PCIe slot. Ideal for your office or home environment, the PCIe Wi-Fi adapter provides a wireless range of up to 100 feet (30m), when paired with an 802.11ac router. It's a cost-effective solution for adding or upgrading to the latest 802.11ac dual-band wireless networking.

The Wi-Fi adapter supports data rates of up to 433 Mbps at 5 GHz, and 150 Mbps at 2.4 GHz. Two detachable external antennas enhance reception and provide more reliable connections.

The versatile USB Wi-Fi adapter gives you dual-band 2.4/5 GHz support, so you can connect easily to the less congested 5GHz wireless network to enjoy lag-free HD video streaming, online gaming, file transfers or other bandwidth-intensive applications. The WMM Quality of Service (QoS) feature quickly prioritizes video streams, Internet calls and online gaming.

This network adapter has a 1T1R (1 transmitter, 1 receiver) antenna design and features two detachable external antennas (dual-band 3dBi). To integrate easily with all of your networking devices, the wireless network adapter is backward compatible with 802.11a/b/g/n networks.

The network card is easy to install in the PCI Express slot on your standard or small form-factor computer. It comes equipped with a standard profile bracket, and includes a low-profile bracket that you can swap in to mount the card in smaller or space-constrained systems.

The PEX433WAC11 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility



## Applications

- Replace or upgrade the wireless capabilities of your desktop computer or server, at home or in the office
- Connect to the less congested 5 GHz Wi-Fi band to avoid interference from common wireless devices such as cordless phones
- Get faster wireless performance for smoother online conferencing, quicker file transfers, and lag-free HD video streaming or gaming

## Features

- Wireless AC600 compatible with speeds up 433Mbps (5GHz) and up to 150Mbps (2.4GHz)
- Dual band 2.4 / 5GHz support (802.11ac is 5 GHz only)
- Compliant with 802.11 ac/a/b/g/n networks
- Single antenna (1T1R) for transmitting and receiving
- Dual external (detachable) dual-band 3dBi antennas
- PCI Express host interface
- Wireless security with 64/128bit WEP, WPA, WPA2 and TKIP/AES
- Supports WMM Quality of Service and WMM-PS
- Supports Soft AP mode
- Configured with standard profile bracket, low profile and half-height bracket included

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### Hardware

Warranty	2 Years
Interface	Wireless Ethernet
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)

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Antenna Configuration	1T1R
Industry Standards	IEEE 802.11ac, IEEE 802.11n, IEEE 802.11g, IEEE 802.11a, IEEE 802.11b
Chipset ID	Realtek - 8821AE

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**Performance**

Maximum Data Transfer Rate	433 Mbps (5 GHz) 150 Mbps (2.4 GHz)
Max Distance	30 m / 100 ft
Bandwidth	20/40/80 MHz
Auto MDIX	No
Full Duplex Support	No
Frequency Range	2.412~2.462 GHz, 5.180~5.825 GHz
Frequency	2.4G/5.8G-Dual band
Security Features	WEP Data Encryption  WPA and WPA2-PSK Data Encryption  TKIP/AES

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**Connector(s)**

Connector Type(s)	1 - PCI Express x1  2 - RP-SMA (Coax, Reverse Polarity SubMiniature A)
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**Software**

OS Compatibility	Windows 11, 10 (32/64bit), 8 / 8.1 (32/64), 7 (32/64), XP(32/64)  Windows Server 2012, 2008 R2,
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**Special Notes / Requirements**

System and Cable Requirements	Available PCI express expansion slot
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**Indicators**

LED Indicators	1 - Link/Activity
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**Environmental**

Operating Temperature	0C to 60C (32F to 140F)
Storage Temperature	10C to 70C (50F to 158F)
Humidity	0% ~ 90% RH

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**Physical Characteristics**

Color	Black
Material	Steel
Product Length	4.8 in [12.1 cm]
Product Width	3.8 in [9.7 cm]
Product Height	0.9 in [2.2 cm]
Weight of Product	1.7 oz [49 g]

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**Packaging Information**

Package Quantity	1
Package Length	6.4 in [16.2 cm]
Package Width	5.5 in [14 cm]
Package Height	1.3 in [3.4 cm]
Shipping (Package) Weight	5.6 oz [160.0 g]

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**What's in the Box**

Included in Package	1 - PCI Express AC600 Wireless-AC network adapter
	2 - detachable external antenna
	1 - driver CD
	1 - low profile bracket
	1 - quick start guide

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