

## USB Wi-Fi Adapter - AC600 - Dual-Band Nano Wireless Adapter

**Product ID:** USB433ACD1X1



This USB Wi-Fi adapter adds dual-band wireless connectivity to your laptop, tablet or desktop computer, and features a compact nano-sized form factor. It makes it easy to replace or upgrade your computer's existing wireless capability with access to both 2.4GHz and 5GHz Wi-Fi networks.

The dual-band USB Wi-Fi adapter adds reliable Wireless-AC connectivity to your laptop, tablet or desktop computer. As bandwidth-intensive applications such as online conferencing, HD video streaming, file transfers and gaming become more demanding, the USB Wireless-AC adapter provides greater speed and range for your office or home wireless network. The dual-band Wi-Fi adapter supports maximum data rates of up to 433 Mbps on the less congested 5GHz band, plus up to 150Mbps on the 2.4GHz band.

The USB nano wireless adapter features a compact form factor, so you can plug it into your laptop or tablet with minimal obstruction. The perfect accessory for your laptop, the Wi-Fi adapter is so compact that you can leave it plugged in without worrying about it getting in the way or snagging on something while you're on the go.

The versatile network adapter features a 1T1R (1 transmitter, 1 receiver) antenna design. To integrate with all of your networking devices, the USB 802.11ac adapter is backward compatible with 802.11a/b/g/n networks. The USB Wi-Fi adapter supports USB 2.0 for wide compatibility.

The USB433ACD1X1 is backed by a StarTech.com 2-year warranty, with free lifetime technical support.

## Certifications, Reports and Compatibility

### Applications

- Replace or upgrade the wireless capabilities of your laptop, tablet or desktop computer to the latest wireless-AC connectivity
- Upgrade your laptop to connect to the less congested 5GHz Wi-Fi band to avoid interference from common wireless

devices such as cordless phones

- Add Wi-Fi networking to your desktop computer without internal expansion
- Conference online, transfer files, stream HD video or game without lag, through faster wireless performance

## Features

- Add dual-band wireless connectivity to your laptop, tablet or desktop
- Compatible with both 2.4GHz and 5GHz networks (802.11ac is 5 GHz only)
- Data rates of up to 433Mbps on 5GHz and 150Mbps on 2.4GHz
- USB 2.0 host interface
- Compact Nano form factor
- IEEE 802.11a/b/g/n/ac compliant
- Supports WEP (64-128-bit), WPA and WPA2 wireless security

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## Hardware

Warranty	2 Years
Interface	Wireless Ethernet
Bus Type	USB 2.0
Antenna Configuration	1x1:1 (TxR:S)
Industry Standards	IEEE 802.11ac, IEEE 802.11n, IEEE 802.11g, IEEE 802.11a, IEEE 802.11b
Chipset ID	Realtek - RTL8811AU

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## Performance

Maximum Data Transfer Rate	433 Mbps (5 GHz)
	150 Mbps (2.4 GHz)
Full Duplex Support	Yes
Frequency Range	2.4000~2.4835GHz
	5.150~5.825GHz
Modulation	DSSS with DBPSK and DQPSK, CCK with long and short preamble, OFDM with BPSK, QPSK, 16QAM and 64QAM, 256QAM



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

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#### Connector(s)

Connector Type(s)	USB Type-A (4 pin) USB 2.0
	Wireless AC (IEEE 802.11ac)

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#### Software

OS Compatibility	Windows 7, 8, 8.1, 10, 11
	Windows Server 2008 R2, 2012, 2016, 2019
	Mac OS X 10.6 to 10.14

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#### Special Notes / Requirements

Note	Compatible with both 2.4GHz and 5GHz networks (802.11ac is 5 GHz only)
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#### Power

Power Source	USB-Powered
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#### Environmental

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

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#### Physical Characteristics

Color	Black
Material	Plastic
Product Length	0.7 in [16.6 mm]
Product Width	0.9 in [22.3 mm]
Product Height	0.3 in [8.5 mm]



Weight of Product	0.1 oz [2 g]
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**Packaging Information**

Package Length	6.9 in [17.4 cm]
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Package Width	5.5 in [14 cm]
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Package Height	1.2 in [31 mm]
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Shipping (Package) Weight	2.6 oz [74 g]
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**What's in the Box**

Included in Package	USB wireless adapter
	driver CD
	quick-start guide

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

