# USB 2.0 AC600 Mini Dual Band Wireless-AC Network Adapter - 1T1R 802.11ac WiFi Adapter

*StarTech ID: USB433WACDB*

The USB433WACDB USB 2.0 Mini AC600 Wireless Network Adapter lets you add Wireless-AC connectivity to a desktop or laptop computer, through a conveniently small USB adapter.

With bandwidth-intensive applications like streaming HD video, online conferencing, file transfers and gaming becoming more demanding, this Wireless-AC adapter gives you added speed and range for your office or home wireless network when paired with an 802.11ac router. The dual-band USB WiFi adapter supports maximum data rates of up to 433 Mbps on the 5GHz band, plus up to 150 Mbps on the 2.4GHz band.

This versatile network adapter features a 1T1R (1 transmitter, 1 receiver) antenna design, with a physical WPS button for secure, one-touch device registration. To integrate with all of your networking devices, the 802.11ac USB adapter is backward compatible with 802.11a/b/g/n networks.

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

 Applications

- Replace or upgrade the wireless capabilities of your desktop or laptop to the latest standard
- Connect to the less congested 5 GHz WiFi band to avoid interference from common wireless devices such as cordless phones
- Conference online, transfer files, stream HD video or game without lag, through faster wireless performance

**Features**

- Wireless AC600 compatible (433 + 150 Mbps)
- Compliant with 802.11 a/b/g/n/ac standards
- USB 2.0 host interface
- Dual band 2.4 / 5 GHz support (802.11ac is 5 GHz only)
- 1 Transmitter / 1 Receiver (1x1:1) antenna configuration
- Supports WEP (64-128-bit), WPA and WPA2 wireless security
- WPS hardware button
- Supports WMM Quality of Service
- Compact design

**Technical Specifications**

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|---|---|
| Warranty | 2 Years |
| Antenna Configuration | 1x1:1 (TxR:S) |
| Bus Type | USB 2.0 |
| Chipset ID | Realtek - RTL8811AU |
| Industry Standards | IEEE 802.11ac, IEEE 802.11n, IEEE 802.11g, IEEE 802.11a, IEEE 802.11b |
| Interface | Wireless Ethernet |
| Frequency Range | 2.4000~2.4835GHz<br>5.150~5.825GHz |
| Full Duplex Support | Yes |
| Maximum Data Transfer Rate | 433 Mbps (5 GHz)<br>150 Mbps (2.4 GHz) |
| 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 |
| Security Features | WPA and WPA2-PSK Data Encryption |
| Security Features | TKIP/AES |
| Security Features | WPA and WPA2 Enterprise Data Encryption |
| Connector Type(s) | 1 - USB A (4 pin) Male |
| Connector Type(s) | 1 - Wireless AC (IEEE 802.11ac) |
| OS Compatibility | Windows® XP, Vista, 7, 8, 8.1, 10<br>Windows Server® 2003, 2008 R2, 2012<br>Mac OS X® 10.6 to 10.11 |
| System and Cable Requirements | Available USB port |
| LED Indicators | 1 - Link / Activity |
| Power Source | USB-Powered |
| Humidity | 0~90% RH |
| Operating Temperature | 0°C ~ 40°C (32°F ~ 104°F) |
| Storage Temperature | -20°C ~ 60°C (-4°F ~ 140°F) |
| Color | Black |
| Enclosure Type | Plastic |
| Product Height | 7 mm [0.3 in] |
| Product Length | 35 mm [1.4 in] |
| Product Weight | 4 g [0.1 oz] |

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|---|---|
| Product Width | 15 mm [0.6 in] |
| Shipping (Package) Weight | 101 g [3.6 oz] |
| Included in Package | 1 - USB Wireless Adapter |
| Included in Package | 1 - Driver CD |
| Included in Package | 1 - Instruction Manual |

**Certifications, Reports and Compatibility**

RoHS Compliant
Available

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