












**AC1300M Dual Band  
Wireless USB Adapter**  
WIF02

V 1.0

## 1. Introduction

**WIF02** Wireless AC1300M Dual Band Adapter based on 802.11ac technology delivers next generation WiFi speeds. The device enables multiple HD video streams throughout and on-line gaming. With speed up to 867Mbps(5G)+ 400Mbps(2.4G) and dual band technology, the WIF02 effectively avoid interference, ensuring blistering wifi speeds and reliable network performance.

## 2. Main Features

-  Compliant with IEEE 802.11b/g/n/a/ac standards
-  Support 2.4G/5G dual band connection, data rate of up to 867Mbps at 5GHz band, 400Mbps at 2.4GHz band, ideal for HD video streaming, on-line gaming,music download,etc.
-  Compatible with Windows XP/WIN7/8/10 /11/LINUX/MAC operation systems
-  Capable of up to 128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, 802.1x encryption
-  With CCA technology, channel interference is effectively avoided
-  With MIMO technology, data throughput and range are highly improved
-  Smart AP switch function, easily share network resource
-  Support Ad-Hoc and Infrastructure working modes
-  User-friendly setup and hassle-free configuration

## 3. Applications

-  Tablet TV
-  Android TV
-  Drones
-  Laptops/Desktops
-  MID Tablet PC
-  Smart Phones
-  Network Cameras
-  STB
-  GPS
-  Car DVR
-  Other device

## 4.Specifications

Chipset	RTL8812AU
Wireless Standards	IEEE 802.11ac/a/n/g/b
Interface	USB3.0/2.0
RF Frequency	2.4~2.4835GHz/5.15-5.25GHz,5.47~5.825GHz
Data Rate	11ac: up to 867Mbps(5G); 400Mbps(2.4G)
	11n: up to 300Mbps
	11g: 54/48/36/24/18/12/9/6Mbps auto fallback
	11b: 11/5.5/2/1Mbps auto fallback
Radio Channels	14
TR	2T2R
Modulation	802.11ac: MU-MIMO
	802.11a: 5G OFDM
	802.11n: MIMO-OFDM/CCK/DSSS
	802.11g: CCK/DSSS/OFDM
RF Output Power	802.11b: CCK/DSSS
	2.4G: 6dBm(Max.) 5G:4.5dBm(Max.)
Antenna Type	Two External Antenna
LED Indicator	Link/Active
Operating Environment	Operating Temperature: 0°C~40°C
	Storage Temperature: -40°C~70°C
	Operating Humidity: 10%~90%RH (Non Condensing)
	Storage Humidity: 5%~90%RH (Non Condensing)
Operating System	windowsXP/win7/vista/win8/win10/win11 MacOS:10.6~10.14 Linux: (kernel 2.6.18 ~ 4.15) Android 1.6 ~ 2.3, 4.0 ~ 7.0

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.