

# 600Mbps Dual Band Wireless USB Adapter

## 802.11ac/a/b/g/n

**Model: WD-4503AC**



### KEY FEATURES

- 600Mbps wireless transmission rate
- Dual band frequency 2.4GHz 150Mbps  
5.8GHz 433Mbps
- Provides two methods of operation: Infrastructure and Ad-Hoc
- Supports 64/128-bit WEP, complies with 128 bit WPA standard(TKIP/AES), supports MIC, IV Expansion, Shared Key Authentication, IEEE 802.1X
- Supports Windows XP/Vista/win7/win8/win8.1/win10/Mac OS
- Seamlessly compatible with 802.11b/g/n/ac devices

## Specifications

Chipset	Realtek RTL8811
Interface	USB2.0 Hi-Speed connector
Wireless Speed	11n: Up to 150Mbps AC: Up to 433Mbps
Frequency Range	2.4GHz & 5.8GHz
Wireless Transmit Power	20dBm(MAX EIRP)
Modulation Technique	OFDM/CCK/16-QAM/64-QAM
Work Mod	Ad-Hoc / Infrastructure
Wireless Security	64/128 bits WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
Temperature Range	Operating: -20°C to 70°C, Storage: -40°C to 90°C
Humidity	Operating: 5% to 95% (non-condensing), Storage: Max. 90% (non-condensing)
Support Operating System	Windows XP/Vista/Linux/ Win 7/Win 8 /Win8.1 /Win10 /Mac OS
Dimensions (H x W x D)	29x 15 x 7 mm

## RF Performance Table for 2.4GHz and 5.8GHz

	Data Rate	TX Power	Tolerance
2.4GHz 802.11b	1Mbps	16dBm	±2dB
	11Mbps	16dBm	±2dB
2.4GHz 802.11g	6Mbps	15dBm	±2dB
	54Mbps	13dBm	±2dB
2.4GHz 802.11n 20MHz	MCS0	14dBm	±2dB
	MCS7	13dBm	±2dB
	MCS8	13dBm	±2dB
2.4GHz 802.11n 40MHz	MCS0	14dBm	±2dB
	MCS9	13dBm	±2dB

	Data Rate	RX Specifications Sensitivity	Tolerance
2.4GHz 802.11b	1Mbps	-97dBm	±2dB
	11Mbps	-90dBm	±2dB
2.4GHz 802.11g	6Mbps	-92dBm	±2dB
	54Mbps	-76dBm	±2dB
2.4GHz 802.11n 20MHz	MCS0	-92dBm	±2dB
	MCS7	-75dBm	±2dB
	MCS8	-71dBm	±2dB
2.4GHz 802.11n 40MHz	MCS0	-89dBm	±2dB
	MCS9	-67dBm	±2dB
5.8GHz 11a	6Mbps	-94dBm	±2dB
	54Mbps	-78dBm	±2dB
5.8GHz 11ac 80MHz	MCS0	-89dBm	±2dB
	MCS	-64dBm	±2dB

## Dimensional Drawing

