AX1800 Dual Band Wireless USB Adapter

802.11ax/ac/a/b/g/n

Model: EP-AX1697

KEY FEATURES

- Wifi6
- 1800Mbps wireless transmission rate
- Dual band frequency 2.4GHz 573.5Mbps
  5GHz 1201Mbps
- DriverCD or download the driver online
- Built-in FEM (PA + LNA) module, creates stronger signal and wider signal receiving range.
- 1024-QAM high data rate Modulation delivers powerful, continuous Wi-Fi to fully unlock the potential of Wi-Fi 6 router.
- Supports Windows Windows 10, Windows 11, Linux.
- Seamlessly compatible with 802.11ax/ac/a/b/g/n devices

Specifications

Chipset	Realtek RTL8832AU
Interface	USB3.0 Hi-Speed connector
Wireless Speed	11n: Up to 573.5Mbps AC: Up to 1201Mbps
Frequency Range	2.4GHz & 5 GHz
Wireless Transmit Power	20dBm(MAX EIRP)
Modulation Technique	OFDM/CCK/16-QAM/64-QAM/1024-QAM
Work Mod	Ad-Hoc / Infrastructure
Wireless Security	64/128 bits WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
Temperature Range	Operating: -20ºC to 70ºC, Storage: -40ºC to 90ºC
Humidity	Operating: 5% to 95% (non-condensing), Storage: Max. 90% (non-condensing)
Support Operating System	Windows Win 10 / Win 11 / Linux
Dimensions (H x W x D)	88.5x 29.5x 14.5 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
5.8GHz 802.11ac 80MHz	MCS0	16dBm	±1.5dB
	MCS11	13dBm	±1.5dB
5.8GHz 802.11ax 160MHz	MCS0	15dBm	±1.5dB
	MCS11	13dBm	±1.5dB

	Data Rate	RX Specifcations 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	MSC0	-89dBm	±2dB
	MCS9	-64dBm	±2dB
5.8GHz 11ax 160MHz	MSC0	-82dBm	±2dB
	MCS11	-51dBm	±2dB

Dimensional Drawing