

Free Driver AX 900Mbps Wireless USB Adapter 802.11ax/ac/a/b/g/n + BT

Model: EP-AX900S



KEY FEATURES

- 900Mbps wireless transmission rate
- Dual band frequency 2.4GHz 286Mbps
5.8GHz 600Mbps
- Free driver, no need CD or download the driver online
- 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 Win10/Win11
- Seamlessly compatible with 802.11b/g/n devices
- With Bluetooth 5.3

Specifications

Chipset	Realtek RTL8851BU	
Interface	USB2.0 Hi-Speed connector	Bluetooth 5.3
Wireless Speed	2.4G ax: Up to 286Mbps 5.8G ax: Up to 600Mbps	
Frequency Range	2.4GHz & 5.8GHz	
Wireless Transmit Power	20dBm(MAX EIRP)	
Modulation Technique	OFDM/CCK/16-QAM/64-QAM/256-QAM/1024-QAM	
Work Mod	Ad-Hoc / Infrastructure	
Wireless Security	64/128 bits WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)/ WPA3	
Temperature Range	Operating: -20°C to 50°C, Storage: -40°C to 90°C	
Humidity	Operating: 5% to 95% (non-condensing), Storage: Max. 90% (non-condensing)	
Support Operating System	Win10 /Win11	
Dimensions (H x W x D)	53x 19x10 mm	

RF Performance Table for 2.4GHz and 5.8GHz

	Data Rate	TX Power	Tolerance
2.4GHz	1Mbps	16dBm	±2dB
802.11b	11Mbps	16dBm	±2dB
2.4GHz	6Mbps	15dBm	±2dB
802.11g	54Mbps	13dBm	±2dB
2.4GHz	MCS0	14dBm	±2dB
802.11n	MCS7	13dBm	±2dB
20MHz	MCS8	13dBm	±2dB
2.4GHz	MCS0	14dBm	±2dB
802.11n	MCS9	13dBm	±2dB
40MHz	MCS9	13dBm	±2dB
2.4GHz	MCS0	14dBm	±2dB
802.11ax	MCS9	13dBm	±2dB
40MHz	MCS9	13dBm	±2dB
5.8GHz	MCS0	16dBm	±1.5dB
802.11ac	MCS11	13dBm	±1.5dB
40MHz	MCS11	13dBm	±1.5dB
5.8GHz	MCS0	15dBm	±1.5dB
802.11ax	MCS11	13dBm	±1.5dB
160MHz	MCS11	13dBm	±1.5dB

	Data Rate	RX Specifications Sensitivity	Tolerance
2.4GHz	1Mbps	-97dBm	±2dB
802.11b	11Mbps	-90dBm	±2dB
2.4GHz	6Mbps	-92dBm	±2dB
802.11g	54Mbps	-76dBm	±2dB
2.4GHz	MCS0	-92dBm	±2dB
802.11n	MCS7	-75dBm	±2dB
20MHz	MCS8	-71dBm	±2dB
2.4GHz	MCS0	-89dBm	±2dB
802.11n	MCS9	-67dBm	±2dB
40MHz	MCS9	-67dBm	±2dB
5.8GHz	6Mbps	-94dBm	±2dB
11a	54Mbps	-78dBm	±2dB
5.8GHz	MSC0	-89dBm	±2dB
11ac	MCS	-64dBm	±2dB
80MHz	MCS	-64dBm	±2dB
5.8GHz	MSC0	-89dBm	±2dB
11ac	MCS9	-64dBm	±2dB
80MHz	MCS9	-64dBm	±2dB
5.8GHz	MSC0	-82dBm	±2dB
11ax	MCS11	-51dBm	±2dB
160MHz	MCS11	-51dBm	±2dB

Dimensional Drawing

