

AX286Mbps Nano Wireless USB Adapter

802.11b/g/n/ax

Model: AX300GS



KEY FEATURES

- 286Mbps wireless transmission rate
- 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 win7/win10/Win11
- Seamlessly compatible with 802.11b/g/n/ax devices

Specifications

Chipset	AIC8800
Interface	USB2.0 Hi-Speed connector
Wireless Speed	11ax: Up to 286.8Mbps
Frequency Range	2.4GHz
Wireless Transmit Power	20dBm(MAX EIRP)
Modulation Technique	MU - MIMO, OFDMA
Work Mod	STA, AP, Wi - Fi Direct modes concurrently
Wireless Security	WEP/WPA/WPA2/WPA3 - SAE Personal, MFP
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	Win 7/Win10 /Win11
Dimensions (H x W x D)	196 x 19 x 12 mm

RF Performance Table for 2.4GHz

	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
2.4GHz 802.11ax 120MHz	MCS0	-5dBm	±2dB
	MCS7	-28dBm	±2dB
	MCS8	-30dBm	±2dB
	MCS9	-32dBm	±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
2.4GHz 802.11ax 120MHz	MCS0	-93.5dBm	±2dB
	MCS7	-74.5dBm	±2dB
	MCS8	-70.5dBm	±2dB
	MCS9	-68.5dBm	±2dB