

DIGISOL AX1800 Wi-Fi6 High Gain Dualband Wireless USB 3.0 Adapter

DG-WN1800AX (H/W Ver. A1)

Key Features:-

- Blazing-Fast Dual-Band Wi-Fi at Your Fingertips
- 1800Mbps wireless transmission rate
- Dual band frequency 2.4GHz/5.8GHz, 5GHz/1201Mbps
- Inbuilt Driver
- 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 10 (32/64bits), Win11(32/64bits)
- Seamlessly compatible with 802.11ax/ac/a/b/g/n devices
- Beamforming technology



Introduction:-

Upgrade your PC with the DIGISOL High-Speed USB Wi-Fi Adapter and unlock next-level wireless performance with up to **1.8 Gbps** speed. Stream, game, browse, and download without interruption - thanks to dual-band support: **600 Mbps on 2.4 GHz** and **1200 Mbps on 5 GHz**. Whether you're casually scrolling or deep into an online battle, enjoy smooth, reliable connectivity every time. **Compact, powerful, and easy to install**, this is Wi-Fi the way it should be.

Technical Specifications:-

SPECIFICATIONS	
Chipset	Realtek RTL8832AU
Interface	USB3.0 Hi-Speed connector
Wireless Speed	11n: Up to 573Mbps, AC: Up to 1201Mbps
Frequency Range	2.4GHz & 5GHz
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: -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	Win10 / Win11
Dimensions (H x W x D)	88.5 x 29.5 x 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 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
	MCS9	-64dBm	±2dB
5.8GHz 11ac 160MHz	MCS0	-82dBm	±2dB
	MCS11	-51dBm	±2dB

Dimensional Drawing:-



Ordering Information:-

DG-WN1800AX : DIGISOL AX1800 Wi-Fi6 High Gain Dualband Wireless USB 3.0 Adapter

*Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY displayed on the website of the company.

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