

DIGISOL AX3000 Wi-Fi6 High Gain Dual-Band Wireless USB 3.0 Adapter

DG-WN3000AX (H/W Ver. A1)

Key Features:-

- Blazing-Fast Dual-Band Wi-Fi at Your Fingertips
- 3000Mbps wireless transmission rate
- Dual-Band frequency 2.4GHz/5.8GHz, 5GHz/2402Mbps
- 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), Windows 11 (32/64bits)
- Seamlessly compatible with 802.11ax/ac/a/b/g/n devices



Introduction:-

Upgrade your PC with the DIGISOL High-Speed USB Wi-Fi Adapter and unlock next-level wireless performance with up to **3 Gbps** speed. Stream, game, browse, and download without interruption - thanks to dual-band support: **600 Mbps on 2.4 GHz** and **2402 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	2.4GHz: Up to 573Mbps, 5GHz: Up to 2402Mbps
Frequency Range	2.4GHz, 5GHz
Wireless Transmit Power	20dBm (MAX EIRP)
Modulation Technique	DSSS / DBPSK / DQPSK / CCK / OFDM / OFDMA / BPSK / QPSK / 16-QAM / 64-QAM / 256-QAM / 1024-QAM
Wireless Security	64/128 bits WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES) / WPA3
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 Win10 / Win11
Dimensions (H x W x D)	88.5 x 29.5 x 14.5 mm

RF Performance Table for 2.4GHz, 5GHz:-

	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
5.8GHz	MCS0	16dBm	±1.5dB	
	802.11ac	MCS11	13dBm	±1.5dB
5.8GHz	MCS0	15dBm	±1.5dB	
	802.11ax	MCS11	13dBm	±1.5dB
40MHz				
80MHz				
160MHz				

	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
5.8GHz	6Mbps	-94dBm	±2dB	
	11a	54Mbps	-78dBm	±2dB
5.8GHz	MCS0	-89dBm	±2dB	
	11ac	MCS9	-64dBm	±2dB
5.8GHz	MCS0	-82dBm	±2dB	
	11ax	MCS11	-51dBm	±2dB
160MHz				

Dimensional Drawing:-



Ordering Information:-

DG-WN3000AX : DIGISOL AX3000 Wi-Fi6 High Gain Dual-Band 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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