

DIGISOL AC1300 Wi-Fi5 High Gain Dual band Wireless USB Adapter

DG-WN1300AC (H/W Ver. A1)

Key Features:-

- Blazing-Fast Dual-Band Wi-Fi at Your Fingertips
- 1300Mbps wireless transmission rate
- Dual band frequency 2.4GHz 400Mbps, 5.8GHz 867Mbps
- Inbuilt driver
- 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 Win7 / Win10 / Win11 / Linux ubuntu 24.04
- Seamlessly compatible with 802.11b/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 **1.3 Gbps** speed. Stream, game, browse, and download without interruption - thanks to dual-band support: **400 Mbps on 2.4 GHz** and **867 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:-

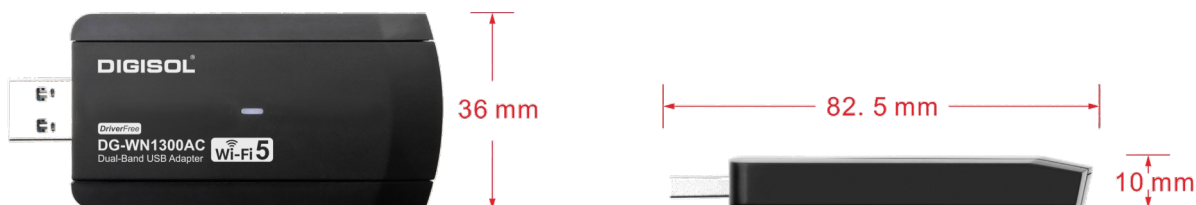
SPECIFICATIONS	
Chipset	Realtek RTL8812CU
Interface	USB2.0 Hi-Speed connector
Wireless Speed	11n: Up to 400Mbps, AC: Up to 867Mbps
Frequency Range	2.4GHz & 5.8GHz
Wireless Transmit Power	20dBm (MAX EIRP)
Modulation Technique	OFDM / CCK / 16-QAM / 64-QAM
Work Mod	Ad-Hoc / Infrastructure
Wireless Security	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	Win7 / Win10 / Win11 / Linux ubuntu 24.04
Dimensions (H x W x D)	82.5 x 36 x 10 mm

RF Performance Table for 2.4GHz and 5.8GHz:-

	DATA RATE	TX POWER	TOLERANCE
2.4GHz	1Mbps	16dBm	±2dB
	802.11b	11Mbps	16dBm
2.4GHz	6Mbps	15dBm	±2dB
	802.11g	54Mbps	13dBm
2.4GHz	MCS0	14dBm	±2dB
	802.11n	MCS7	13dBm
20MHz	MCS8	13dBm	±2dB
2.4GHz	MCS0	14dBm	±2dB
	802.11n	MCS9	13dBm
40MHz			

	DATA RATE	RX SPECIFICATIONS SENSITIVITY	TOLERANCE
2.4GHz	1Mbps	-97dBm	±2dB
	802.11b	11Mbps	-90dBm
2.4GHz	6Mbps	-92dBm	±2dB
	802.11g	54Mbps	-76dBm
2.4GHz	MCS0	-92dBm	±2dB
	802.11n	MCS7	-75dBm
20MHz	MCS8	-71dBm	±2dB
2.4GHz	MCS0	-89dBm	±2dB
	802.11n	MCS9	-67dBm
40MHz			
5.8GHz	6Mbps	-94dBm	±2dB
	11a	54Mbps	-78dBm
5.8GHz	MCS0	-89dBm	±2dB
	11ac	MCS	-64dBm
80MHz			

Dimensional Drawing:-



Ordering Information:-

DG-WN1300AC : DIGISOL AC1300 Wi-Fi5 High Gain Dualband Wireless USB 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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