



# ACT-WF5000U, WiFi 11n USB Adapter (1T1R)

ACT-WF5000U is a WiFi 11n Dongle, which fully supports the features and functional compliance of IEEE 802.11n,e and i standards. It supports up to **150Mbps** high -speed wireless network connections. It is designed to provide excellent performance with minimum power consumption and enhance the advantages of robust system and cost-effective. It is targeted at competitive superior performance, better power management applications.

## FEATURES

- Operates in 2.4 GHz frequency bands
- **1x1 SISO** technology improves effective throughput and range over existing **802.11 b/g** products
- Data rates up to **150Mbps**
- **802.11e**-compatible bursting and I standards
- BPSK, QPSK, 16 QAM, 64 QAM modulation schemes
- WEP, TKIP, AES, WPA and WPA2 hardware encryption schemes

Cuboid body



Arc body



## SPECIFICATIONS

Model Name	ACT-WF5000U
Product Name	WiFi 11n USB Adapter (1T1R)
Standard	<b>802.11b/g/n</b>
Data Transfer Rate	1,2,5.5,6,11,12,18,22,24,30,36,48,54,60,90,120 and maximum of <b>150Mbps</b>
Modulation Method	BPSK/ QPSK/ 16-QAM/ 64-QAM
Frequency Band	2.4GHz ISM Band
Spread Spectrum	IEEE 802.11b: DSSS (Direct Sequence Spread Spectrum) IEEE 802.11g/n:OFDM (Orthogonal Frequency Division Multiplexing)
RF Output Power	< 14dBm@11n, < 17dBm@11b, < 14dBm@11g
Operation Mode	Ad hoc, Infrastructure
Receiver Sensitivity	11Mbps -80dBm@8%, 54Mbps -70dBm@10%, 130Mbps -64dBm@10%
Operation Range	Up to <b>180m in open space</b>
LED	Power
OS Support	Windows XP /Vista /7, Mac, Linux
Security	WEP, TKIP, AES, WPA and WPA2
Interface	USB 2.0
Power Consumption	Transmit: average 157 mA Receive: average 102 mA
Operating Temperature	0 - 50° C ambient temperature
Storage Temperature	-10 - 70° C ambient temperature
Humidity	5 to 90 % maximum (non-condensing)
Dimension	23.5 x 14.4 x 5.8mm (LxWxH) Cuboid body
Dimension	23.5 x 15.2 x 8mm (LxWxH) Arc body



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Specifications are subject to change without notice