

ACT-WF5100U 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 **300Mbps** 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; With Build-in **WPS button** to simplify the process of configuring security on wireless networks. It is targeted at competitive superior performance, better power management applications.

FEATURES

- Operates in 2.4 GHz frequency bands

Freq.	Frequency
2.4 GHz	2.312-2.472 GHz, 2.484 GHz



- 1x2 MIMO** technology improves effective throughput and range over existing **802.11 b/g** products
- Data rates: up to **300Mbps**
- WPS button (WiFi Protected Setup)** for easy and secure establishment of a wireless network.
- 802.11e**-compatible bursting and I standards
- BPSK, QPSK, 16 QAM, 64 QAM, DBPSK, DQPSK, and CCK modulation schemes
- WEP, TKIP, and AES, WPA, WPA2 hardware encryption Schemes

SPECIFICATIONS

Model Name	ACT-WF5100U
Product Name	WiFi 11n USB Adapter (1T2R, WPS)
Standard	802.11b/g/n
Data Transfer Rate	1,2,5.5,6,11,12,18,22,24,30,36,48,54,60,90,120,180,240,270 and maximum of 300Mbps
Modulation Method	BPSK/ QPSK/ 16-QAM/ 64-QAM/ DBPSK/ DQPSK/ CCK
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@1b, < 14dBm@1g
Operation Mode	Ad hoc, Infrastructure
Receiver Sensitivity	11Mbps -80dBm@8%, 54Mbps -70dBm@10%, 300Mbps -64dBm@10%
Operation Range	Indoor up to 100 meters, Outdoor up to 280 meters
LED	Power
OS Support	Windows XP /Vista /7, Mac, Linux
Security	64 bit/128 bit WEP, TKIP, AES, WPA, WPA2 WPS button for easy and secure establishment of a wireless network
Interface	USB 2.0
Power Consumption	Transmit: around 380 mA Receive: around 250 mA
Operating Temperature	0 - 50° C ambient temperature
Storage Temperature	-10 ~ 70°C ambient temperature
Humidity	5 to 90 % maximum (non-condensing)
Dimension	52.3x24.4x9.9mm (LxWxH)

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Specifications are subject to change without notice