

## **The description for AWU50G-W**

AWU50G-W is a Wireless Network Adapter ,which connects a PC ,notebook or other wireless termination to a wireless AP . It works at 2.4GHz, and it can transmit and receive signal through the air in the distance of up to 100M . Data and power supply are transmitted from a host, such as a PC or notebook, to this system via a 6 PIN connector .RT2571 is MAC and Baseband proceesor. It is to handle most of signal processing and system's control. RT2571 communicates with RT2528 by TXIQ and RXIQ signals. RT2528 is a Transceiver which mainly control the RF TX, RX signal, that includes calibration,modulation and demodulation etc. TX signal is sent to a 2.4GHz amplifier then sent out to the Antenna(ANT);and RX signal comes from ANT derectly to RT2528. This WLAN card also has some periphery circuits, that includes Serial EEPROM, 40MHz Crystal,TX Power compensation,etc. It's a complete solution for IEEE802.11b/g application.