

The description for AWM61G-X

AWM50G-X is a PCI-e type Wireless LAN card, which connects a 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 notebook, to this system via PCI-e MiniCard interface. RTL8187B is MAC and Baseband processor. It is to handle most of signal processing and system's control. RTL8187B communicates with RTL8225 by TXIQ and RXIQ signals. RTL8225 is a Transceiver which mainly controls the RF TX, RX signal, which 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 directly to RTL8225. This WLAN card also has some periphery circuits, which include Serial EEPROM, 40MHz Crystal, TX Power compensation, etc. It's a complete solution for IEEE802.11b/g application.