

Circuit Description

XTAL1 the 40 MHz crystal oscillator provides the base clock source of U1 Wireless LAN network interface controller's operating. U1 drives reference differential clock for modulator and demodulator of U9 RF transceiver.

U1 combines a MAC and 1T1R capable baseband and includes a PCI interface for host connection. U9, this RF transceiver consists of one receivers and one transmitter used with U1 to form a complete 2.412-2462GHz ISM band Wireless LAN application.

Antenna, Ground, and Power Source

There are one external 2.4GHz band antenna connected by one reverse-SMA connectors. Besides Print circuit board provides copper plane ground, host provides a reference grounding connecting by PCI interface. Whole system power source is fed with DC 3.3Volt by PCI interface.