

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, a MISO RF transceiver consists of two receivers and one transmitter used with U1 to form a complete 2412-2462MHz frequency band Wireless LAN application.

Antenna, Ground, and Power Source

There are two external 2.4GHz band antenna connected by two 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.