

U2 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 embedded RF transceiver.

U1 combines a MAC and 1T1R capable based for host connection. RF transceiver consists of one receiver and one transmitter used to form a complete 2.4GHz ISM band Wireless LAN application. Through the antenna then transmit out as 2412MHz to 2462MHz (for US, and 2412MHz to 2472MHz for EU) for 802.11b/g/n-HT20 transmission mode and 2422MHz to 2452MHz (for US, and 2422MHz to 2462MHz for EU) for 802.11n-HT40 transmission mode.

Antenna, Ground, and Power Source

There are two external 2.4GHz band Fixed Antenna. Whole system power source is fed with DC 12Volt by DC interface.