

Circuit Description

The transmission data chip IC(RTL8192CE) which gets a digital modulation then passing through the RF chip, working with 40MHz crystal for producing a signal to the RF chip circuit carrying wave amplified by the amplifier and filter circuit unit, through the antenna then transmit out as 2412MHz to 2462MHz for 802.11b/g/n-HT20 transmission mode, and 2422MHz to 2452MHz for 802.11n-HT40 transmission mode..

RTL8192CE combines a MAC and 2T2R capable baseband. Embedded MIMO RF transceiver consists of two receivers and two transmitters used to form a complete 2.4GHz ISM band Wireless LAN application. There are two external 2.4GHz band antenna with reversed SMA connector.

- 1、 CPU : U17, The RTL8196C is master control chip, 4-port integrated 10/100 Ethernet switch/PHY; an 25MHZ crystal(Y11) for CPU S reference frequency.
- 2、 SDRAM: U11 ISSIIS42S16800B-6TL, 16M Byte
- 3、 The work voltage is DC 12V, provided by power adaptor.