

## Operational Description

1. After the product has been connected to DC 3.3V, product will start to work through XTAL 40MHz vibration. During transmitting, transceiver will output low-power signals to the PA (Power Amplifier), and then eradiate signals to the space through Antenna network. During receiving signal, antenna will send electromagnetic wave signal to the Low Noise Amplifier for enlarging, then signal will be sent to transceiver to demodulate.
2. WIFI model number: RTL8188CTV
3. Supported protocols: IEEE 802.11B, IEEE 802.11G IEEE 802.11N

Frequency Range: IEEE 802.11b: 2412-2462 MHz

IEEE 802.11g: 2412-2462 MHz

IEEE 802.11n: 2412-2462 MHz(HT 20), 2422-2452 MHz(HT 40)

4. Modulation Type: DBPSK/ CCK/OFDM/DQPSK
5. Transmission Rate: 135/54/48/36/24/18/12/9/6 /1M
6. Channel Number: 11
7. Antenna Type: Ceramic antenna
8. Antenna Gain: 2dBi
9. Crystal: 40MHz
10. USB Type: USB2.0