



Operation Description

- This WIFI Module is based on MT7603U chipset that complied with IEEE 802.11 b/g/n standard. The 802.11b/g supports SISO mode, and 802.11n supports SISO and MIMO mode. It has 2 PIFA antennas to WIFI.
- The modulation type are DQPSK, DBPSK and CCK with DSSS to 802.11b; QPSK, BPSK, 16QAM, 64QAM with OFDM to 802.11 g/n.
- Frequency: 2412MHz ~ 2462MHz

- **2.4G WIFI mode of operation:**

IEEE 802.11 b/ g modulation using diversity operation in the condition of 1TX;

IEEE 802.11 n(20MHz)/n(40MHz) modulation using mimo operation in the condition of 2TX.

- The TX chains are correlated, the antenna gain is equal among the chains.

Employs an antenna that operates simultaneously on multiple directional beams using the same frequency channels. No carrier aggregation techniques

Gain: 2dBi

- Dual-band 2T2R mode with data rate up to 300Mbps
- Support 20MHz/ 40MHz bandwidth in 2.4GHz band
- Supply 3.3V for MT7603U
- D- / D+ is High-Speed USB 2.0 D- / D+ Signal



- Component X01 is 40MHz crystal oscillator
- The module is connecting with USB directly.
- The module operates in the Android/Linux/windows system.