

## Theory Description

WIFI Module: MT7601

Operation Frequency: 2400MHz – 2483.5MHz (with guard band)

The MCU chip is MT8636, and the WIFI module is MT7601, which chops up the data being sent and transmits chunks of it on up to 11 bands (5 MHz each; centered from 2412 to 2462 MHz) in the range 2,400-2,483.5 MHz (allowing for guard bands). This range is in the globally unlicensed Industrial, Scientific and Medical (ISM) 2.4 GHz short-range radio frequency band.

The power is supply from micro usb connect, the chip is G5175. The DDR3 SDRAM is 128M\*16, The crystal is 27MHz and 40MHz, the antenna type is internal fixed, the gain is 0 dBi.