

Technical Description

The brief circuit description is listed as below:

WiFi:

- 1) U1 acts as MCU (LW9611).
- 2) Y1 is 12MHz crystal oscillator providing clock for U1.
- 3) U9 acts as Voltage Regulator (HP5017A-3V).
- 4) U3 acts as SPI Flash (MX25L3205DM2I).
- 5) U4, U6 and U10 act as Voltage Regulator (HP6827, 1021AB5F and HP5017A-1.8V).
- 6) U2 acts as WiFi module circuit (88W8801).
- 7) Y1 is 38.4MHz crystal oscillator providing clock for U2.

2.4G RF (Pure receive portion for radio controlled by corresponding transmitter):

- 1) U1 acts as voltage regulator (6206-3.3V).
- 2) U2 acts as voltage regulator (6206-3V).
- 3) U3 acts as voltage regulator (IN5819).
- 4) IC1 acts as 2.4G RF IC (BK2461)
- 5) Y1 is 16MHz crystal oscillator providing clock for IC1.
- 6) IC2 acts as MCU (mini58).

Antenna Type: Internal antenna

Antenna Gain: 2dBi

Operating Mode	Nominal Conducted Power	Production Tolerance	Modulation Type
802.11b	12.27	+/-3dB	(DSSS)
802.11g	17.05	+/-3dB	(OFDM)
802.11n(HT20)	17.42	+/-3dB	(mcs0)