Technical Description

The brief circuit description is listed as below:

WiFi:
1) U2 acts as MCU (FH8610).
2) U4 acts as WiFi Module (BL-W8801MS1).
3) U5 and U6 acts as Voltage Regulator (1029-ADJ).
4) U3 acts as SPI Flash (SPI Flash).
5) U2 acts as Voltage Regulator (HP5017A-3V).
6) U1A acts as WiFi module circuit (88W8801).
7) Y1 is 16MHz crystal oscillator providing clock for U1A.

2.4G RF:
1) U1 acts as MCU (GD32150R).
2) U2 acts as Gyroscope (BMI160).
3) U6 and U7 act as MOS control unit (9926A).
4) U5 acts as 2.4G RF IC (ZC2401).
5) Y1 is 16MHz crystal oscillator providing clock for U5.
6) U3 acts as Voltage Regulator (65Z5).

Antenna Type: Internal antenna
Antenna Gain: 2dBi

Operating Mode	Nominal Conducted Power	Production Tolerance	Modulation Type
802.11b	11.46	+/-3dB	(DSSS)
802.11g	16.30	+/-3dB	(OFDM)
802.11n(HT20)	16.11	+/-3dB	(msc0)