

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	(mcs0)