

# Operational Description

The line from the SOC RT3050, charging circuit, 5V lithium battery 3.7V Boost for USB, turn 3.3V, 1.5V DC-DC power three parts U4, U3, U29, U11, SDRAM, FLASH, MEMORY and USB connectors, miniUSB charging port, and LED lights indicate the composition

Modulation:

This product meets IEEE802.11B, 802.11G, 802.11N products. In different modes, the automatic mode according to the current signals were used for 2.4GHz Direct Sequence Spread Spectrum (DSSS), OFDM modulation and demodulation.

Portable Router provides Internet connection method: Wired (xDSL / cable modem) connection. The product connect the ethernet cable from the router's USB port (combines a USB port and a RJ45 LAN port, the USB port is only charging function) to the LAN port of the modem as a Wi-Fi wireless router, and to connect all end user with Wi-Fi adapter.

## Technical Specifications:

- 150Mbps PHY data rate
- TX power: 13.8dBm(EIRP)
- RX sensitivity: -76dBm @ 54Mbps
- 20MHz/40MHz channel bandwidth
- Hardware NAT, QoS, TCP/UDP/IP checksum
- Reverse Data Grant (RDG) support
- Tx frequency range: 2412-2462MHz for 802.11b/g/n(HT20), 2422-2452MHz for 802.11n(HT40)
- Modulation: CCK, BPSK, QPSK, DQPSK
- Security: WEP/TKIP/AES/WPS/WPA/WPA2
- Work voltage: DC 3.7V by battery with external USB power supply.