Circuit Description

1) power supply

DC 9V Power supply or battery, Power is converted to 5V Voltage through the U2(DC-DC),then through other DC-DC\LDO, After Power supply IC proceed voltage converted ,the power supply to the machine; At the same time DC 9V power supply can provide battery charging

2）Minimal System

U1（WM8505+）is CPU，Control the work of the various parts of machine

U2 is DDR2 SDRAM， mainly responsible for the data cache

U3 is NAND FLASH，Primarily responsible for program files and data storage

3）Audio

U10 is Audio codec, Audio signal Decoding through U10 and Zoom handling, through SPEAKER or EARPHONE output; Supports MIC recording

4）USB

U18（GL850G）is a kind of Multifunction-chip: it expand one USB port to 4 USB ports, can connected with USB KEYBOARD, U disk, mouse, keyboard etc USB device, Through the network transformer T1 and RJ-45 Interface connect with Cable

5）DISPLAY

J6 is Display interface cable，can be connected to LCD Screen

6）SD CARD

J1 is SD card base， can store data via SD card

7) Frequency range: 2412-2462MHz

8) Type of Modulation:

802.11b: DSSS (CCK, QPSK, BPSK),11/5.5/3/2/1 Mbps (Dynamic);

802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)54/48/36/24/18/12/9/6 Mbps (Dynamic)

9) Type of the Antenna:

PCB Printed antenna and the maximum gain of the antenna is 1dBi.

10) Input Voltage: 9V powered by power adaptor or 7.4V powered by Lion Battery