

Circuit Description

1) power supply

DC 9V Power supply or battery, Power is converted to 5V Voltage through the U5(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 (SiRFAtlasIV) is CPU, Control the work of the various parts of machine

U5、 U30 is DDR SDRAM, mainly responsible for the data cache

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

3) Audio

U6 is Audio codec,Audio signal Decoding through U6 and Zoom handling,through SPEAKER or EARPHONE output; Supports MIC recording

4) USB

U1 (LAN9514) is a kind of Multifunction-chip:it expand one USB port to 4 USB ports,can connected with USB WIFI (CON4)、 USB KEYBOARD,through J9,J10 can connected with U disk,mouse,keyboard etc USB device;J4 is USB DEVICE port,can connect with PC; In addition it can be used as USB card, Through the network transformer TR1 and RJ-45 Interface connect with Cable

5) DISPLAY

J4、 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) WIFI

Frequency Range: 2412MHz~2462MHz

Modulation Type: WIFI Module (OFDM with BPSK, QPSK, 16QAM, 64QAM(11g), BPSK, QPSK, CCK (11b)