Circuit Description

Two lithium batteries for power supply. Rechargeable by external power device at 9V. Long press ON/OFF button to switch on/off .

CPU driven by three crystals: 24Mhz for core frequency, 24Mhz for USB part, 32.768khz for RTC.

Connect with audio decoding chip NAU8822 through I2S port to achieve earphone stereo input. Connect speaker for output through amplifier circuit.

Connect WIFI module AR6102G through SDIO port. Antenna is connected in wiring type. Gain 2.5dBi.

Built-in camera, 30W/200W alternatively.

Built-in gravity sensor chip MMA7660. Applicable for various gravities.

External port includes HDMI, USB host/secondary port, DC_JACK, earphone port.

LED backlight for LCD. Adjustable brightness by PWM. Resolution ratio at 800*480. Capacitive multi touch screen.

Wifi frequency is 2.4-2.4835GHz ,use DSSS（Direct Sequence Spread Spectrum）

the number of channel for work is 13,date modulation way BPSK,QPSK,CCK and OFDM(BPSK/QPSK/16-QAM/64-QAM).