Components of product:

1.Double series of lithium battery inside. WVDC: 6-8.4V.

Charging adapter for DC voltage: 12V/1A

Inside power Management Chip provide voltage 3.3V/1.8V/5V/1.2V etc for the system use

2. CPU: Samsung CORETEX A8 high-speed processor S5PV210

3. WIFI module: RANLINK RT3070 USB WIFI module

4. With ALC5621 frequency DECODE (with 1.5W CLASS-D inside)

5. 512M DDR2

6. 2G MicroSD Card

7. Ports: Audio Phone, TFLASH SOCKT, MINI USB, DCIN and so on.

8. 1x1.5W Speaker

9. 7 inch 800x480 touch TFT screen

Main system working principle

1. Press the power button for 3 sec to let the unit work.. Source management chips will create each working voltage to make the system normal power. Firstly crystal Y1 will create 24M master frequency for CPU and then CPU will create 200M Memory oscillation frequency. At this moment, CPU and the RAM can achieve normal data exchange, and read the operating system in the Micro SD card, thus the whole system works normally.

2. After the system work normally, the desktop will run a specified application, create a custom man-machine control interface, clicking on the network related applications, System USB WIFI part will start working, emitting and receiving 2.4 G WIFI frequency, the data content will give USB WIFI module via the USB interface transmission, and the WIFI module connected to the designated router IP address, thus can realize Internet browsing, network application and other special function

3. ALC5621 is a kind of audio decoding IC with its own digital amplifier of 12S connector, and it is connected with CPU via 12S data cable, to achieve audio decoding and output function.

4. The man-machine interface uses 7 inch 800x480 TFT screen, with 4 line resistance touch function, and connect with CPU via the RGB data bus, CPU with display driver inside and can drive TFT screen display directly.