

一、 Basic Functions

MD7305 is a low cost broadband access terminal for today's world of communications convergence and digital multimedia entertainment. It provides multimedia entertainment, High-speed broadband internet access and so on.

It is equipped with various functions, such as electronic-book, MP3 play, Game player, and common business software such as web browsing, word processing, spreadsheets and more. Perfect for the light business traveler, student, and every kid wanting to enjoy the experience of exploring the world of broadband multi-media.

二、 Product features

- ⑩ Processor: AML8726-MX
- ⑩ Display: 7" TFT LCD 800*480 WXGA Pixels
- ⑩ Input: Touch Screen and Keyboard
- ⑩ Audio codec: ALC5631
- ⑩ Communication: USB Wifi Module (802.11b/g/n)
- ⑩ System: Android 4.1

三、 Circuit Description

1) power supply

DC-5V Power supply or battery supply, Power input is converted by the U1(PMU), then through other DC-DC/LDO. After Power supply IC proceed voltage converted, the power supply to the machine; At the same time DC 5V power supply can provide battery charging

2) **Minimal System** U1 (AML8726-MX) is CPU, Control the work of the various parts of machine U41,U42,U43,U44 is DDR3 SDRAM, mainly responsible for the data cache U10 is NAND FLASH, Primarily responsible for program files and data storage

3) Audio

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

4) USB

It is provide a OTG USB port, MID can communication to the computer though USB port, and USB device can communication to the MID also. It support USB 2.0

5) DISPLAY

CN4 is the LCD connector, LCD is connected to the connector.

6) TF CARD

U17 is TF Card connector

7) **Wifi Antenna:** R118.2,U7.7 are Wifi antenna pad

8) Input Voltage:

5V powered by DC adaptor or 3.7V powered by Lion Battery