

一、 Basic Functions

MID1048 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

- Processor: TCC8925KG_0XX
- Display: 10.1" TFT LCD 1280*800 WXGA Pixels
- Input: Touch Screen and Soft Keyboard
- Audio codec: ALC5631
- Communication: USB Wifi Module (802.11b/g/n)
- System: Android 4.0

三、 Circuit Description

1) power supply

DC-5V Power supply or battery supply, Power input is converted by the U17(PMU), then through other DC-DC/LDO. After Power supply IC proceeds voltage conversion, the power supply to the machine; At the same time DC 5V power supply can provide battery charging

2) Minimal System

U1 (TCC8925K) is CPU, Control the work of the various parts of machine

U3,U4,U5,U6 is DDR3 SDRAM, mainly responsible for the data cache

U7,U23 is NAND FLASH, Primarily responsible for program files and data storage

3) Audio

U13 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 through USB port, and USB device can communication to the MID also. It support USB 2.0

5) DISPLAY

CN14 is the LCD connector, LCD is connected to the connector.

6) TF CARD

JM1 is TF Card connector

7) Wifi Antenna:

U28,U29 are Wifi antenna pad

8) Input Voltage:

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