

## 一、 Basic Functions

KS-UMD070NA 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 work on the go!

It is equipped with various functions, such as electronic-book, MP3 play, Game player, enlarged PDA, 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: TCC8902
- Display: 7-Inch high resolution TFT-LCD digital screen, True color image display
- Input: Touch Screen and Soft Keyboard
- Sound card: AC97voice card
- Communication: Broadband internet access, Build in Wireless LAN adapter(802.11b/g)
- System: Embedded operating system

## 三、 Circuit Description

### 1) power supply

DC 9V Power supply or battery, Power is converted to 5V Voltage through the U2(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 (TCC8902) is CPU, Control the work of the various parts of machine

U4,U5 is DDR2 SDRAM, mainly responsible for the data cache

U6 is NAND FLASH, Primarily responsible for program files and data storage

### 3) Audio

U9 is Audio codec, Audio signal Decoding through U10 and Zoom handling, through SPEAKER or EARPHONE output; Supports MIC recording

### 5) DISPLAY

CON2 is Display interface cable, can be connected to LCD Screen

### 6) SD CARD

SD1 is SD card base, can store data via SD card

### 7) Frequency range: 2412-2462MHz

### 8) Type of Modulation:

802.11b: DSSS (CCK, QPSK, BPSK),11/5.5/3/2/1 Mbps (Dynamic);

802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)54/48/36/24/18/12/9/6 Mbps (Dynamic)

### 9) Type of the Antenna:

PIFA antenna and the maximum gain of the antenna is 2.5dBi.

### 10) Input Voltage: 9V powered by power adaptor or 7.4V powered by Lion Battery