

## **1、 Basic Functions**

IMID77T 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

## **2、 Product features**

- Processor: TCC 8902
- Display: 7-Inch high resolution TFT-LCD digital screen, True color image display
- Input: Touch Screen and Soft Keyboard
- Sound card: ALC 5621
- Build in Wireless LAN adapter (802.11b/g)
- System: Embedded operating system

## **3、 Circuit Description**

### **1) power supply**

DC 5V Power supply or battery, Power is converted to 5V Voltage through the VRH2801NTX(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 5V power supply can provide battery charging

### **2) Minimal System**

TCC8902 is CPU, Control the work of the various parts of machine

H27UBG8T2ATR is DDR2 SDRAM, mainly responsible for the data cache

K4T1G164QF-BCE7 is NAND FLASH, Primarily responsible for program files and data storage

### **3) Audio**

ALC 5621 is Audio codec, Audio signal Decoding through ALC 5621 and Zoom handling, through SPEAKER or EARPHONE output; Supports MIC recording

### **4) DISPLAY**

CON1 is Display interface cable, can be connected to LCD Screen

### **6) SD CARD**

can store data via SD card

Antenna: solder antenna to PCB with gain 0dBi.

Frequency Range: 2.412-2.462GHz

Input Voltage: 5V powered by power adaptor or 5V powered by Lion Battery