

## **Product Diagram Information**

### **1. Product function introduce**

PA0785 is an Android MID device with capacitive touch screen. It have functions of visiting internet with WiFi, playing audio and video in NAND flash or TF card, audio/video recorder, alarm clock, calendar, real-time clock, camera and so on.

### **2. Structure**

#### **2.1 Structure Introduce**

The system is consist of SOC (A31S Allwinner), two piece of NAND Flash, two pieces of DDR3 RAM, 7.85" TFT panel, WiFi module (RTL8188 ), 30W front camera(GC0309) ,200W real camera(GC2035) PMU(AXP221S), and some other power conversions IC.

#### **2.2 Description**

When you stir the switch of power about 3 seconds, the system is powered on. When you choose any icon in the GUI of Android 4.2 using your finger or others, A31S first judge what happened and then give it to the ARM or DSP in the core of A31S proceeding.

The RTL8188 is a highly integrated single-chip QFN-46 pin wireless Lan USB network interface controller compatible with the 802.11n specification. It combines a MAC, a 1T1R Capable baseband, and RF in a single Chip. The RTL8188 provides a complete solution for a high throughput performance wireless client.

#### **2.3 Power**

It can use adaptor of 5V\*2,5A when the system display the battery remain a little of power or exhaust.