

Product Diagram Information

1. Product function introduce

PA7807 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 (A23,Allwinner), one piece of NAND Flash, 1 pieces of DDR3 RAM, 7.85" TFT panel, WiFi module (RTL8188), TF socket, 30W front camera (GC0308) , 200W rear camera (GC2035) , PMU (AXP223), 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, A23 first judge what happened and then give it to the ARM or DSP in the core of A23 proceeding.

WiFi Module

Frequency Range	2412-2462MHz for 802.11b/g/n;
Modulation:	OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n, DSSS with DBPSK/DQPSK/CCK for 802.11b
Type of Antenna:	FPC antenna
Antenna Gain:	1.36dBi

2.3 Power

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