

Product Diagram Information

1. Product function introduce

Q10S 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), one piece of NAND Flash, 2 pieces of DDR3 RAM, 10.1" TFT panel, WiFi and BT module (AP6210) TF socket, 30W front camera(GC0308) ,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 AP6210 is a Bluetooth V4.0 + EDR with integrated Class 1.5 PA Concurrent Bluetooth and WLAN Operation controller compatible with the 802.11b/g/n specification. It combines a MAC, a 1T1R Capable baseband, and 802.11b/g/n single-band radio Bluetooth V4.0 + EDR with integrated Class 1.5 PA Concurrent Bluetooth and WLAN operation

Simultaneous BT / WLAN receive with single antenna

WLAN host interface options:

- SDIO v2.0 — up to 50 MHz clock rate

BT host digital interface:

- UART (up to 4 Mbps)

IEEE Co-existence technologies are integrated die solution

2.3 Power

It can use adaptor of 5V*3A when the system display the battery remain a little of power or exhaust.