

# Circuit Description

## Basic framework

This Moticom T's main chip is based on a semiconductor chip, the chip provides the interface to the WiFi module, SDRAM chip, FLASH chip, display module, SD card, USB peripherals, DC-DC power supply module etc.

## Circuit works

This product circuit is working by 5V/2A DC power supply, and with the driving by the power supply module, CMU chip will load bootloader from the Flash chip. This bootloader will initialize all Hardware configuration and then further load u-boot from the Flash that is for preparing the environment for Android. Finally Android is load and then the file system is initialized and mounted. System is then ready to operate.

This module can be connected to a WiFi module PK903 for wireless connection; also providing USB HOST interface, easy to connect USB camera device; through LCDC RGB888 interface images LVDS display, and via I2C interface image on the touch screen; SD card can be used as a storage peripherals and storing image files.

System can be connected to the computers via USB OTG2.0 and other equipment. Achieve the systems Firmware updates and upgrade.