

Circuit Description

The device is a small sized microcomputer that instantly converts your regular TV into a smart TV

Features

OS: Android/4.0

CPU: ARM Cortex A9 1.0GHz

Graphics: Support graphic accelerator

OpenGL ES 1.1&1.2

RAM: 1GB DDR3

Nand Flash: 4GB

Wifi:802.11b/g/n

Ethernet support: 10/100 Mbps

HDMI: V1.4a 720P/1080P

Multimedia playing function consists of local playing and internet playing;

a, Local playing function means that MCU(AML8726-M3) reading and decode the files from internal nand flash,external SD card or USB device. The MCU employs 32.768kHz, and 24MHz oscillators.

b, Internet playing means that the device is connected to Internet via RJ45 ethernet cable or 2.4G wifi module. MCU read and decode the files from Internet, then send the decoded signal to HDMI port or AV port which connect to your TV.

This is a WLAN 11n USB module which fully supports the features and functional compliance of IEEE 802.11n,e&i standards. It supports up to 150Mbps high-speed wireless network connections. It works in 2.4-2.4835GHz involved with 11 channels and the 1x1 MIMO technology improves effective throughput and range existing 802.11 b/g products.