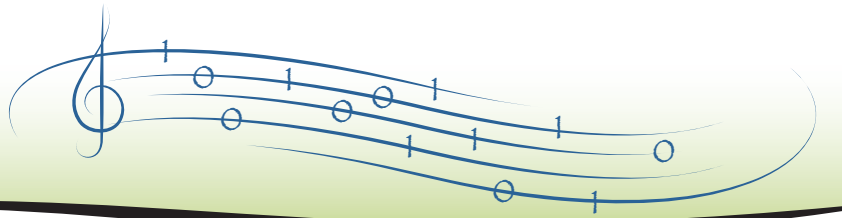
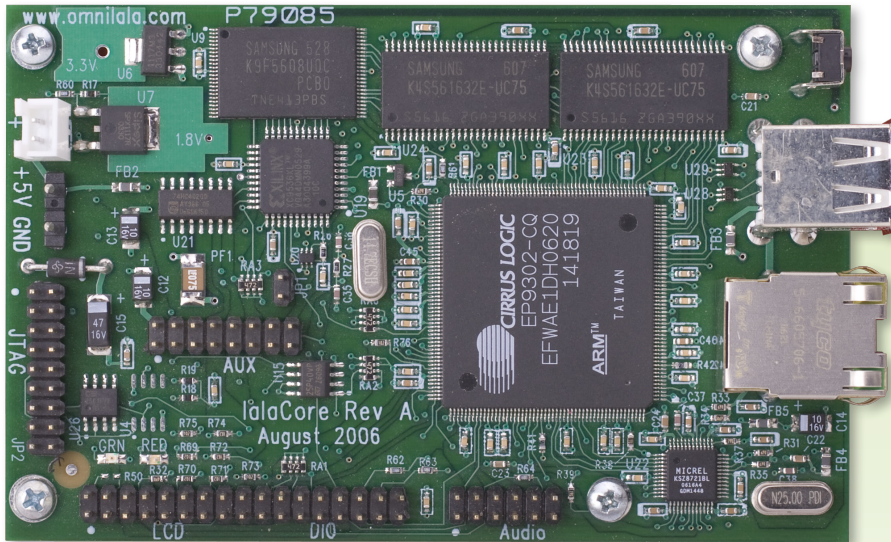


# omnilala®



## lala®Core Media Computer



*lalaCore*

The lalaCore is an embedded solution for media network products such as media servers, media players, Internet radio and more.

It is a proprietary single-board computer powered by the 32 bit Cirrus Logic EP93XX ARM-9 CPU family. It really takes the conventional design of audio products into the digital era, bringing Internet connectivity to thousands of media streams such as Internet radio stations and on-line media content services. The high-performance CPU (200Mhz) allows the lalaCore to handle a wide variety of recording and DRM formats (MP3, WMA, AAC, Real and other).



*lalaCore drives a 128x64 graphics LCD module*

# OEM Hardware

# lala®Core Media Computer

## Technical Information

### Hardware Specifications

- SDRAM up to 64MB
- Flash memory up to 64MB
- Ethernet connectivity (10/100)
- EEROM boot
- Flash memory for presets info and other parameters
- Two USB host ports
- WiFi via the USB port [Optional]
- Digital audio
- Internal DC-to-DC power supply
- IR interface [External IR sensor]
- Interface to drive external 128x64 graphics LCD module
- AM/FM tuner interface
- I2C interfaces
- iPod interface
- Control interface
- JTAG interface
- Serial communication interfaces
- Temperature sensor
- Reset and auto-reset
- Dimensions: 4.4" x 2.8"
- Power 5VDC

### Operating System

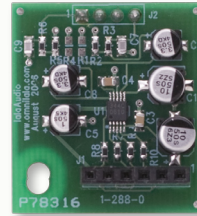
Linux kernel 2.4

### Software Drivers

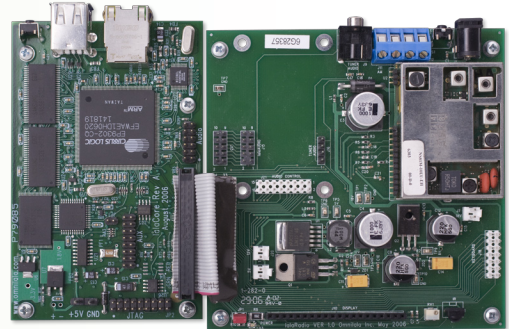
Ethernet, WiFi, USB, I2C and I2S

### Software Applications

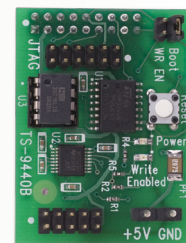
- lala®Player,
- lala®Dock
- Rhapsody Direct
- RadioTime (Internet Radio)
- UPnP
- iPod interface



*lala®Audio circuit –  
I2S to Analog module*



*lala®Radio – integrated with AM/FM  
tuner and audio amplifier*



*lala®Blaster – for  
easy programming  
in production*



*Example of lalaCore-based  
media products: lalaDock,  
lalaPlayer*



*lala®Loader – for automating programming  
and testing of the lalaCore in production*

omnilala®