



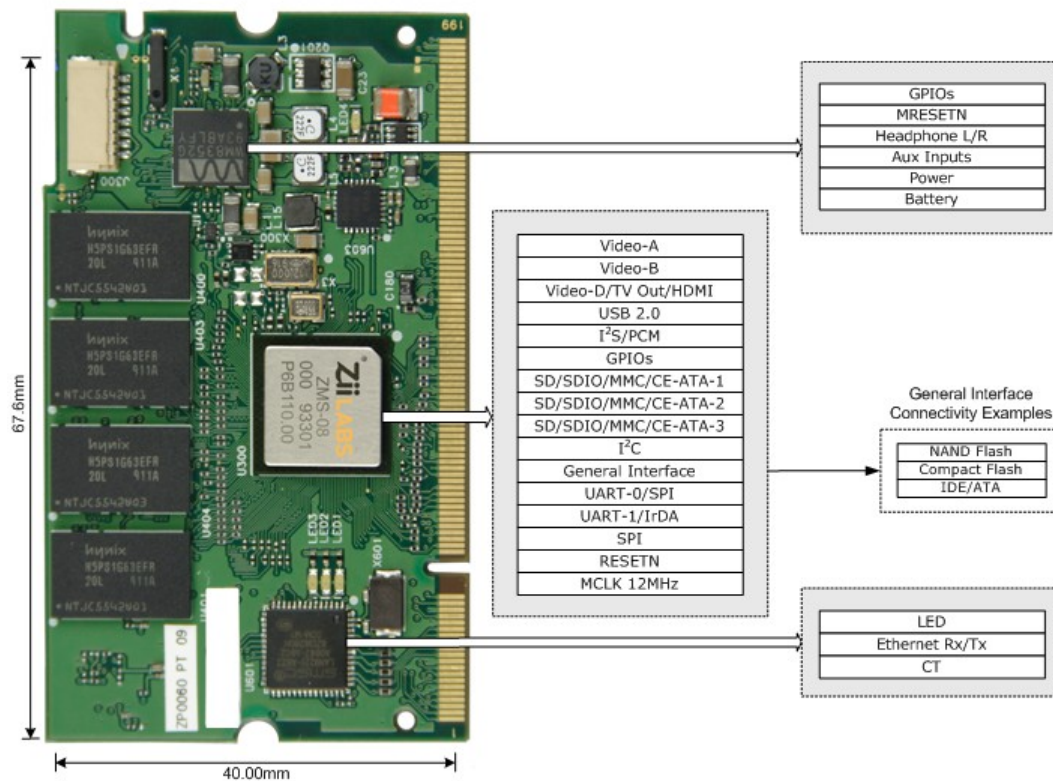
# ZMS-08

## System Module

### Simplified Product Development

The ZMS system module provides customers with a market-ready solution that combines the ZiiLABS ZMS-08 applications processor with core components. The low-power, production ready module can be integrated into a broad range of custom target boards.

- Product ready system module in compact form factor
- High-performance ZMS-08 media-rich applications processor
- Industry standard 200-pin universal SODIMM connector
- Integrated 512MB RAM, 32 MB ROM, PMU, Audio DAC and Ethernet
- Rich peripheral connectivity
- Flexible Board Support Packages
- Pin compatible with ZMS-05 system module



**Introduction**

The ZMS-08 System Module provides a powerful media-rich SODIMM-based solution that can significantly reduce the time, cost and complexity of introducing new products. At the heart of the System Module is the advanced ZMS-08 low power SoC delivering advanced UI capabilities, OpenGL ES 3D graphics, rich media playback and record and 1080p HD video output.

**ZMS-08 System Module Key Components**

- ZiiLABS ZMS-08 Media-Rich Applications Processor
- 512MB 64-bit Mobile DDR Memory
- 16MB NOR Boot ROM
- Power Management Unit
- High Quality Stereo Audio DAC
- 10/100 Ethernet Controller
- JTAG Diagnostics port
- Analog audio connector
- Independent GPIO for:
  - ZMS-08
  - Power Management Unit

**ZMS-08 System Module Connectivity**

- 3x bi-directional Video Camera/Display Ports
- Analog HD TV encoder
- HDMI
- 2x USB 2.0 OTG controller with PHY
- 3x SD/SDIO/MMC/CE-ATA ports
- 2x 3Mbps UART
- I²S/PCM
- SPI
- I²C
- General Interface Expansion Port

**ZMS-08 System Module Software Features**

- Linux 2.6 Kernel
- Custom Boot loader
- USB Recovery Application
- Extensive component driver support for LCD Displays, Camera Sensors, HDMI, Storage, Wi-Fi and Bluetooth
- OS Support for Plazma OS and Android

**Physical**

- 67.60mm x 40mm x 3.8mm
- 200-pin SODIMM Connector Module
- Available in both the Right Angle Type and Vertical Type Standard SODIMM Connector

**Power**

The power management unit can operate from the following power sources:

- 5V input
- Single cell lithium-ion or lithium-polymer battery
- USB host port, supplying 5V on its VBUS

**Design Licenses**

The ZMS-08 is available as a licensable design to OEMs and ODMs looking to develop custom solutions based around the product.

**Schematics**

These are available on request.

**Find out more**

For more information please contact:

**URL: [www.ZIILABS.com](http://www.ZIILABS.com)**

