

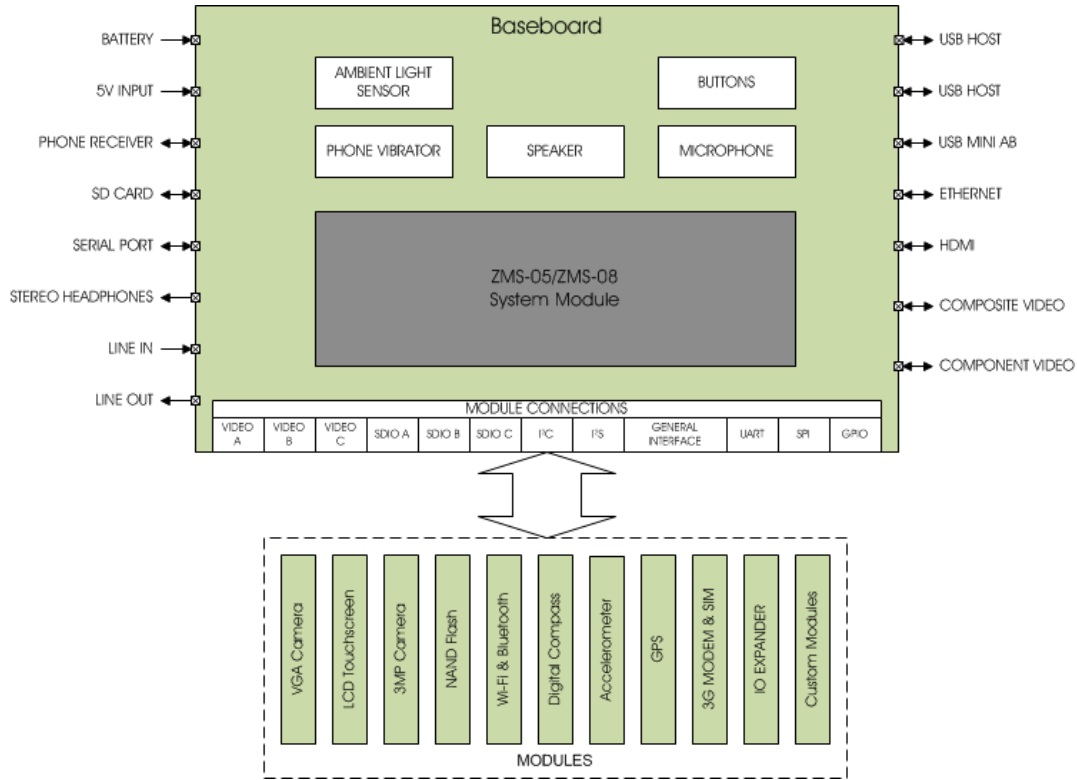
Z5010

Zii Development Kit

3G Phone Edition

The Zii Development Kit provides a universal platform for the evaluation and rapid development of handheld and embedded products based on the ZMS media rich applications processors. Its flexible design supports a wide range of standard and custom modules and runs under Android and Plaszma operating systems.

- Enable rapid product development
- ZMS-05/08 system module compatible
- Wide range of supported peripherals
- Standard & custom modules
- GSM/GPRS/EDGE/WCDMA/HSDPA
- Linux[®]-based Plaszma[™] and Android[™] OS
- Complete Board Support Package



Baseboard

USB 2.0

- USB device using mini AB connector
- USB Hub with 2 host ports

HDMI

- The ZMS-05 connects to the HDMI port via an external transmitter
- The ZMS-08 integrated 1.3a HDMI transmitter connects directly to the HDMI type A port

Component Video

- RGB and Pr/Y/Pb header

Composite Video

- Composite/CVBS (1x RCA)

Ethernet

- 10/100 Base-T Ethernet controller, RJ-45

Audio

- Mono speaker
- 3.5 mm stereo headphone jack
- On-board microphone
- Phone receiver
- Line-in
- Line-out

Ambient Light Sensor

- Visible and infrared
- IR + UV rejection for ambient light sensing

SD Card Slot

- External 1/4-bit SD card slot

Vibrator Circuit

Buttons

- 8 button keypad, 1 switch

Serial Port

- DB9 female RS232 debug port
- USB port debug is also supported

Modules

A range of standard modules are supplied as part of the development kit.

3G Module

- Calibrated 3G modem
- Quadband GSM/GPRS/EDGE
- Triband WCDMA
- 7.2Mbps HSDPA
- External antenna required
- SIM card slot (card required)

Camera

- VGA camera, fixed focus
- 3MP camera, fixed focus

Display

- 3.5" 320x480 HVGA true-colour LCD
- Capacitive multi-touch LCD display
- 16.7 million colours
- Transflective TFT

NAND Module

- 16GB NAND flash (up to 64GB supported)

Wi-Fi, Bluetooth

- Wi-Fi 802.11b/g
- Bluetooth 2.1 EDR

Digital Compass

- Tri-axial geomagnetic sensor IC

Accelerometer

- 3-axis linear, ±2g/±8g

GPS

- -158dBm acquisition sensitivity
- -160dBm tracking sensitivity
- Supports A-GPS modes

GPIO Expander/MCU Module

Custom Modules

Customers wanting to use their own modules can do so according to the baseboard pin description.

ZMS System Module

The ZMS system module connects to the baseboard via a 200-pin SODIMM connector. The system module components are:

- ZMS media-rich applications processor
- 256MB 64-bit mobile DDR /512MB DDR2
- Boot ROM
- Power Management Unit
- High quality stereo audio DAC
- 10/100 Ethernet controller
- JTAG diagnostics port
- Audio port

Power

- DC 5V input board supply
- Single cell Li-Ion or Li-polymer battery
- Battery fuel gauge

Package Contents

- Baseboard
- ZMS-05 System Module
- Modules
- Power Adapter
- Serial Cable
- Serial headset for phone
- 3G Antenna
- User guide & Schematics

Find out more

For more information please contact:

URL: www.ZIILABS.com