

PRODUCT BRIEF:

Logic :: Texas Instruments
www.logicpd.com/ti

Zoom™ OMAP34x-II Mobile Development Platform

The Zoom OMAP34x-II Mobile Development Platform (MDP) is a full-featured evaluation platform built around Texas Instruments' (TI) OMAP3430 processor.

Logic and TI bring together the essential elements of this mobile development platform. Logic's world-class product realization capabilities of design, development, and manufacturing combined with TI's applications processing technology results in a product that speeds software development for smartphones and mobile Internet devices (MIDs).

Enclosed within a full-body case, the Zoom OMAP34x-II MDP addresses essential needs of the open-source community and high-level operating system (HLOS) developers. A 4.1" WVGA capacitive multi-touch screen and full QWERTY keypad allow for easy interfacing. Wireless 802.11, Bluetooth, and FM networks create numerous opportunities for connectivity. Expansion slots for MMC/SD and SIM cards provide access to additional storage and features. An external debug board puts full development control within reach.

At the heart of the Zoom OMAP34x-II MDP is Texas Instruments' OMAP3430 applications processor that combines powerful multimedia, graphics, and imaging capabilities with a high-



ZOOM OMAP34x-II MOBILE DEVELOPMENT PLATFORM

performance ARM® Cortex™-A8 core. The result is a solution that unites the low-power requirements of embedded applications with the multimedia-rich expectations of smartphones and MIDs.

The Zoom OMAP34x-II MDP utilizes the capabilities of the OMAP3430 processor to drive technology integration for next-generation applications.

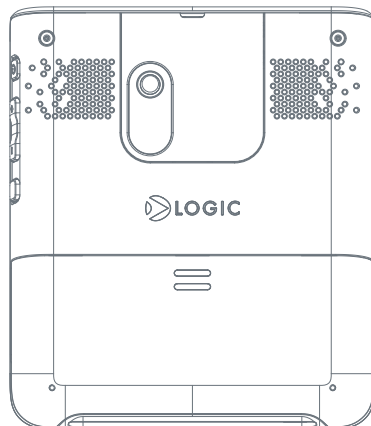
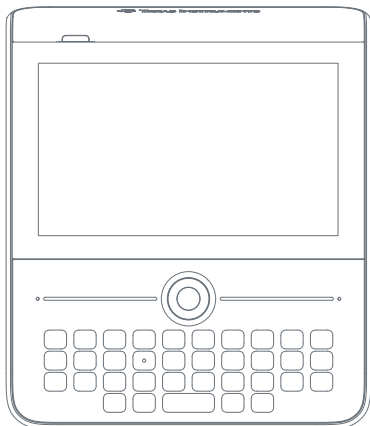
ZOOM OMAP34x-II MDP :: HIGHLIGHTS:

- + Full-featured development platform
- + TI OMAP3430 processor with stacked 256 MB low-power DDR SDRAM and 512 MB NAND flash memory
- + TWL5030 audio/energy management solution
- + Capacitive multi-touch 4.1" WVGA display
- + QWERTY keypad
- + WL1271 for 802.11, Bluetooth, FM
- + Accelerometers
- + Open source Linux Board Support Packages
- + For more information contact Logic Sales at product.sales@logicpd.com



Zoom™ OMAP34x-II Mobile Development Platform Ordering Information

Model Number	Recommended Resale
MDP-OMAP3430-10-256512R	\$1150



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Product Features

System on Module (SOM)

- +SOM-LV Type III featuring the TI OMAP3430 processor
- +256 MB low-power DDR / 512 MB NAND PoP memory
- +TWL5030 audio/power management companion chip

Display

- +4.1" TFT WVGA LCD
- +Capacitive touch screen with Synaptics solution
- +HDMI port
- +Video out jack

Audio

- +Built-in stereo speakers
- +Volume toggle
- +Dual microphone inputs
- +Audio in/out jack (2.5 mm connector)

Network/Modem

- +802.11 a/b/g wireless Ethernet
- +Bluetooth 2.0 + EDR
- +FM Tx & Rx module

Accelerometers

- +Two accelerometers for differential detection

Memory

- +6-in-1 SD/MMC card slot
- +16 GB SanDisk eMMC device

USB

- +One USB high-speed On-the-Go port (mini-AB connector)

Camera

- +8 megapixel camera

Battery

- +1100 mAh Li-Ion battery

User Interface

- +QWERTY keypad with integrated NAV
- +5-position navigation button

Cables

- +USB A to mini-B cable
- +Power supply and adapters

Expansion

- +200-pin expansion connector
- +Socket connector to interface with debug board

Debug Board

- +10/100 BASE-T Ethernet (RJ45 connector)
- +Five USB Mini-AB ports
- +JTAG connectors
- +UART

Mechanical

- +121 x 140 x 21 mm
- +RoHS Compliant

Software

- +Open source Linux BSP based on kernel 2.6.22 available from TI and the open source community
- +www.omapzoom.org
- +opensource.ti.com

LOGIC WEBSITE :: DESIGN RESOURCES:

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- +Logic Technical Support : www.logicpd.com/product-support
- +For more information contact Logic Sales : product.sales@logicpd.com