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 cards, SIM cards, HDMI, and 3G modem modules 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.
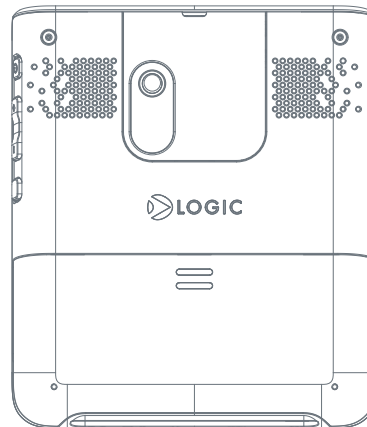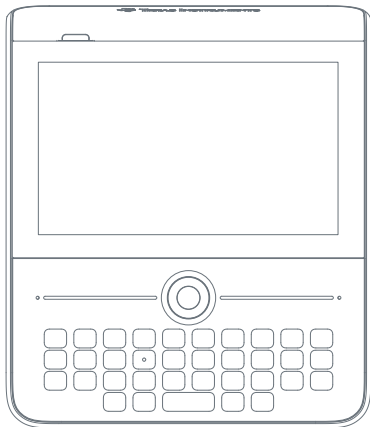
ZOOM OMAP34x-II MDP :: HIGHLIGHTS:

+ 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
+ Optional 3G modem module
+ WL1271 for 802.11, Bluetooth, FM
+ Accelerometers
+ Open source Linux Board Support Packages
+ For more information contact Logic Sales at product.sales@logicpd.com

LOGIC

Zoom™ OMAP34x-II Mobile Development Platform Ordering Information

Model Number	Modem	Recommended Resale
MDP-OMAP3430-10-256512R	No modem	$1150
MDP-OMAP3430-11-256512R	3G	$1399

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
+Optional 3G modem

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 mAhr 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

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