Zoom™ OMAP36x Mobile Development Platform

The Zoom OMAP36x Mobile Development Platform (MDP) is a fully-featured evaluation platform built around the Texas Instruments (TI) OMAP3630 applications 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, mobile Internet devices (MIDs), and other mobile end equipments.

Enclosed within a full-body case, the Zoom OMAP36x MDP addresses essential needs of the open-source community and high-level operating system (HLOS) developers. A 4.1" WVGA capacitive 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 OMAP36x MDP is the Texas Instruments OMAP3630 applications processor that integrates powerful 720p multimedia, 3D graphics, and 8MP imaging

ZOOM OMAP36x MOBILE DEVELOPMENT PLATFORM

capabilities with the high-performance ARM® Cortex™-A8 core. The result is a solution which unites the low-power requirements of embedded applications with the multimedia-rich expectations of smartphones, MIDs, and other mobile end equipments.

The Zoom OMAP36x MDP utilizes the capabilities of the OMAP3630 processor to drive technology integration for next-generation applications.

ZOOM OMAP36x MDP :: HIGHLIGHTS:

+ Full-featured development platform
+ TI OMAP3630 processor with stacked 1 GB low-power DDR SDRAM PoP memory and discrete 512 MB NAND flash memory
+ TI TWL5030 audio/energy management solution
+ Capacitive touch 4.1" WVGA display
+ QWERTY keypad
+ WL1271 for 802.11, Bluetooth, FM
+ Accelerometers
+ Open source Linux BSPs
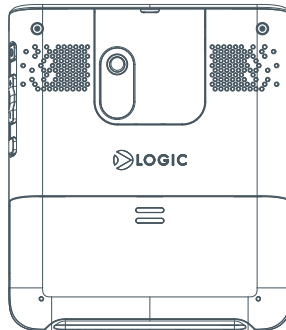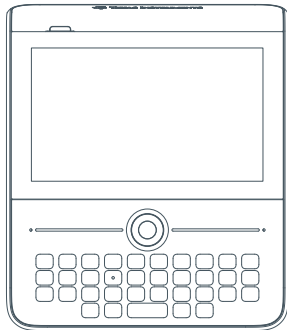+ For more information contact Logic sales at product.sales@logicpd.com

LOGIC™

Zoom™ OMAP36x Mobile Development Platform Ordering Information

Model Number	Recommended Resale
MDP-XOMAP3630-10-1024512R	$1499

OMAP3630 SOM to upgrade existing Zoom OMAP34x-II MDPs

Model Number	Recommended Resale
SOMXOMAP3630-10-1980AFCR	$347

Product Features

System on Module (SOM)
+ SOM-LV Type III featuring the TI OMAP3630 processor
+ 1 GB low-power DDR SDRAM PoP memory / discrete 512 MB NAND flash memory
+ TWL5030 audio/power management companion chip

Display
+ 4.1" TFT WVGA LCD
+ Capacitive touch screen with Synaptics solution
+ HDMI port (transmitter TI TPD12S521)
+ Video out jack

Audio
+ Built-in stereo speakers
+ Volume toggle
+ Dual microphone inputs
+ Audio in/out jack (2.5 mm connector)
+ Audio CODEC (TI TLV320AIC3254)

Network
+ 802.11b/g/n wireless Ethernet
+ Bluetooth 2.0 + EDR
+ FM Transmit & Receive 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 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 available from TI and the open source community
+ www.omapzoom.org
+ opensource.ti.com

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