

PRODUCT BRIEF:

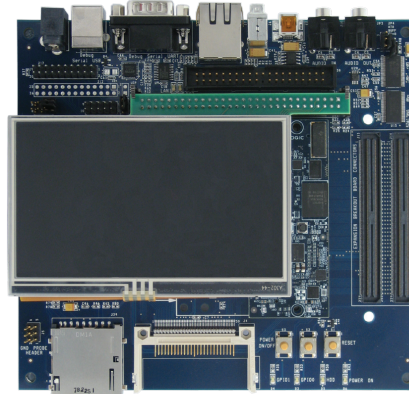
Logic :: Texas Instruments
www.logicpd.com/ti

Zoom™ OMAP35x™ Development Kit

By providing a product-ready software and hardware platform, Logic's embedded product solutions fast forward development and helps your company stay focused on its high-value core technologies. The Zoom OMAP35x Development Kit is a low-cost, high-performance application development kit for evaluating the functionality of Texas Instruments' OMAP 3 processors and System on Module (SOM).

Application development is performed right on the product-ready OMAP35x SOM-LV and software Board Support Packages (BSPs) included in the kit, which enables you to seamlessly transfer your application code and hardware into production. The included OMAP35x SOM-LV utilizes the superset OMAP3530 processor. This SOM allows for easy evaluation of the OMAP3530 and OMAP3503 processors.

The OMAP35x SOM-LV is ideal for applications in the medical, point-of-sale, industrial, and security markets. From patient monitoring and medical imaging, to card payment terminals and bar code readers, to CCTV cameras and intruder alarms, the OMAP35x SOM-LV allows for powerful versatility and long-life products.



**ZOOM OMAP35x DEVELOPMENT KIT WITH
OMAP35x SOM-LV & 4.3" WQVGA LCD INCLUDED**

The Zoom OMAP35x Development Kit includes the OMAP35x SOM-LV, application baseboard, and accessories required to immediately begin development work.

**ZOOM OMAP35x DEVELOPMENT KIT
:: HIGHLIGHTS:**

- + Low-cost development kit
- + Includes product-ready SOM-LV
- + Includes 4.3" WQVGA LCD
- + Compact size
- + Ready to run Board Support Packages (BSPs)

OMAP35x SOM-LV :: BENEFITS:

- + Long product lifecycle
- + Scalability
- + Compact SOM-LV form factor
- + See OMAP35x SOM-LV product brief for more information



Zoom™ OMAP35x™ Development Kit Ordering Information

Model Number	SOM-LV Configuration
TMDSMEVM3530-L	SOMOMAP3530-10-1672IFCR

NOTE: Zoom OMAP35x Development Kits are available through Logic and Texas Instruments distributors.

OMAP35x SOM-LV Ordering Information

Model Number	SDRAM (MB)	NAND Flash (MB)	NOR Flash (MB)	Wired Ethernet	802.11b/g Ethernet	Bluetooth	Temp. (°C)
SOMOMAP3503-10-1670HFCR	128	256	0	Y	N	N	0°–70°
SOMOMAP3503-10-1672IFCR	128	256	8	Y	Y	Y	0°–70°
SOMOMAP3530-10-1670EFCR	128	256	0	N	N	N	0°–70°
SOMOMAP3530-10-1672IFCR	128	256	8	Y	Y	Y	0°–70°
SOMOMAP3530-10-1672IFXR	128	256	8	Y	Y	Y	-20°–85°
SOMOMAP3530-10-1672JFIR	128	256	8	Y	N	Y	-40°–85°

NOTE: Custom configurations are available by special order. Please contact Logic Sales for details: product.sales@logicpd.com.

Optional Zoom Display Kit Ordering Information

Model Number	Sharp LCD PN	Display Size	Display Format	Key Features
LCD-3.6-QVGA-10R	LQ036Q1DA01	3.6"	QVGA 320x240	Landscape, color, transmissive w/HRTFT ASIC
LCD-4.3-WQVGA-10R	LQ043T1DG01	4.3"	WQVGA 480x272	Widescreen, color, transmissive
LCD-6.4-VGA-10R	LQ64D343	6.4"	VGA 640x480	Landscape, color, transmissive

NOTE: The OMAP35x Development Kit comes with a 4.3" WQVGA LCD display. The optional Zoom Display Kits listed in the table above are available for purchase separately. Please see the Logic website for more details: www.logicpd.com/products/display-kits

LOGIC WEBSITE :: DESIGN RESOURCES:

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



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Product Features

Texas Instruments OMAP3530 SOM-LV Included

- +OMAP3530 processor, 128 MB mDDR, 256 MB NAND flash, 8 MB NOR flash, wired Ethernet, 802.11b/g Ethernet, Bluetooth

LCD Display Connector

- +Integrated LCD, touch, and backlight connector for optional Zoom Display Kits

Included LCD Panel

- +4.3" WQVGA LCD panel
- +4-wire touchscreen

Audio

- +Stereo input and output jacks

Network Support

- +One RJ45 Ethernet jack connector with magnetics (application/debug)
- +Antenna for 802.11b/g Ethernet and Bluetooth 2.0 + EDR connectivity

PC Card Expansion

- +CompactFlash® Type I card
- +MMC/SD card

USB

- +One USB 2.0 high-speed host
- +One USB 2.0 high-speed On-the-Go device

Serial Ports

- +115.2kbps RS-232 debug serial port

Expansion Boards and Connectors

- +High-precision analog adapter board
- +High-density breakout board
- +Connectors for JTAG and ETM interfaces

Software

- +LogicLoader™ (bootloader/monitor)
- +Windows® Embedded CE 6.0 BSP
- +Open source Linux BSPs

Cables

- +Serial cable (null-modem)
- +Ethernet crossover cable
- +USB A to mini-B cable
- +5 volt power supply (with Europe, Japan, UK, & US adapters)

Mechanical

- +146.1 mm wide x 158.8 mm long x 17.1 mm high

RoHS Compliant