

PRODUCT BRIEF:

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

Zoom™ OMAP35x™ Torpedo Development Kit

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

Application development is performed right on the product-ready OMAP35x Torpedo SOM 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 Torpedo SOM utilizes the superset OMAP3530 processor and allows for easy evaluation of both the OMAP3530 and OMAP3503 processors.

The ultra-compact Torpedo SOM is ideal for applications in the medical, point-of-sale, industrial, security, and consumer markets where space is at a premium. From point of care medical devices to bar code readers, handheld radios to mobile Internet devices, netbooks to CCTV cameras, the Torpedo SOM allows for powerful versatility, compact designs, and long-life products.



ZOOM OMAP35x TORPEDO DEVELOPMENT KIT WITH
OMAP35x TORPEDO SOM & 4.3" WQVGA LCD INCLUDED

The Zoom OMAP35x Torpedo Development Kit includes the OMAP35x Torpedo SOM, application baseboard, 4.3" WQVGA LCD, and accessories required to immediately begin development work.

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

- + Includes product-ready Torpedo SOM
- + Includes 4.3" WQVGA LCD with touchscreen
- + Compact size
- + Ready to run Board Support Packages (BSPs)

**OMAP35x TORPEDO SOM
:: BENEFITS:**

- + Long product life-cycle
- + Scalability
- + Ultra-compact form factor
(15 x 27 x 3.8 mm)
- + See the OMAP35x Torpedo SOM Product Brief
for more information

Zoom™ OMAP35x Torpedo Development Kit Ordering Information

Model Number	SOM Configuration
SDK-OMAP3530-20-128256R	SOMOMAP3530-21-1670AGCR

OMAP35x Torpedo SOM Ordering Information

Model Number	Speed (MHz)	SDRAM (MB)	NAND Flash (MB)	Temperature
SOMOMAP3503-21-1670AGCR	600	128	256	0°C–70°C
SOMOMAP3530-21-1670AGCR	600	128	256	0°C–70°C
SOMOMAP3530-21-1670AGIR	600	256	512	-40°C–85°C

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

Optional Zoom Display Kit Ordering Information

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

NOTE: The Zoom OMAP35x Torpedo 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 PD website for more details: www.logicpd.com/products/display-kits

LOGIC PD WEBSITE :: DESIGN RESOURCES:

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



411 N. Washington Ave. Suite 400 Minneapolis, MN 55401
T : 612.672.9495 F : 612.672.9489 I : www.logicpd.com

© 2011 Logic PD, Inc. All rights reserved.



PN: 1014138 Rev C

Product Features

Texas Instruments OMAP353x Torpedo SOM Included

- + The OMAP3530 is the superset processor of the OMAP35x family

LCD Display Connector

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

Included LCD Panel

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

Audio

- + Stereo input and output jacks

Network Support

- + One RJ45 Ethernet jack connector with magnetics (application/debug)

PC Card Expansion

- + Two MC/SD card slots

USB

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

Serial Ports

- + 115.2kbps RS-232 debug serial port

Debug Connectors

- + Connectors for JTAG and ETM interfaces

Software

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

Kit Contents

- + Serial cable (null-modem)
- + Ethernet crossover cable
- + USB A to mini-B cable
- + 5 volt power supply (with Europe, Japan, UK, & US adapters)
- + 1100 mAh, 3.7V Li-Ion battery
- + Pre-built OS demo image on SD card(s)
- + SOM hold-down clip

RoHS Compliant