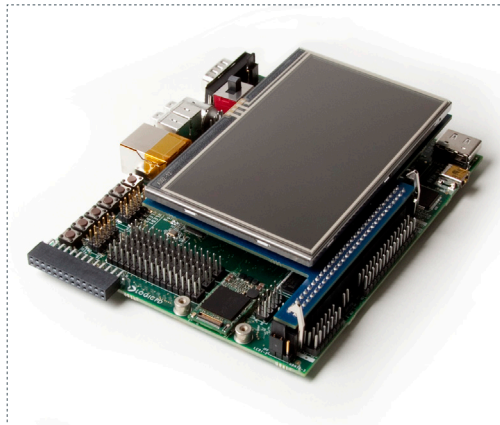# Zoom™ DM3730 Torpedo Development Kit

The Zoom DM3730 Torpedo Development Kit is a low-power, high-performance application development kit for evaluating the functionality of Texas Instruments' DaVinci™ DM37x and Sitara™ AM37x processors and Logic PD's System on Module (SOM).

Application development is performed right on the product-ready DM3730 Torpedo SOM and software Board Support Packages (BSPs) included in the kit, enabling you to seamlessly transfer application code and hardware into production. The included DM3730 Torpedo SOM utilizes the superset DM3730 processor allowing for easy evaluation of either the DM3730 or AM3703 processor.

To assist with software development, Logic PD includes Wattson™, a power measurement and performance monitoring application, standard on all Logic PD Zoom Development Kits. The application delivers real-time graphical feedback and data logging capabilities without the need for external oscilloscopes and meters. Wattson guides you to the lowest power and highest performance software combination for your product.

Wattson is instrumental in helping you minimize power in run, idle, standby, suspend, and system-off states maximizing battery life in the end application. Wattson is independent of the system allowing

ZOOM DM3730 TORPEDO DEVELOPMENT KIT WITH DM3730 TORPEDO SOM & 4.3" WQVGA LCD INCLUDED

power measurement even when the SOM is in deep sleep states like suspend and even off.

Wattson runs on Windows and Linux PCs enabling software development for Windows CE and Linux based products.

ZOOM DM3730 TORPEDO DEVELOPMENT KIT :: HIGHLIGHTS:

+ Includes product-ready DM3730 Torpedo SOM
+ Includes 4.3" WQVGA LCD with touchscreen
+ Wattson power measurement application
+ Ready to run Board Support Packages (BSPs):
  Android BSP
  Linux™ BSP
  Windows® Embedded CE BSP
+ Compact size

DM3730 TORPEDO SOM :: BENEFITS:

+ Long product lifecycle
+ Low-power, high-performance
+ Ultra-compact form factor (15 x 27 x 3.8 mm)
+ See DM3730 Torpedo SOM product brief for more information

LOGIC PD™

Zoom™ DM3730 Torpedo Development Kit Ordering Information

Model Number	SOM Configuration	Suggested Resale
SDK-DM3730-20-256512R	SOMDM3730-20-2780AGCR	$997

DM3730 / AM3703 Torpedo SOM Ordering Information

Model Number	Speed (MHz)	SDRAM (MB)	NAND Flash (MB)	Temperature
SOMAM3703-20-1780AGCR	800	256	512	0°C–70°C
SOMDM3730-20-2780AGCR	1000	256	512	0°C–70°C
SOMDM3730-20-1780AGIR	800	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 DM3730 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

Product Features

DM3730 Torpedo SOM Included
+ TI DaVinci™ DM3730 processor, 1 GHz, 256 MB mDDR SDRAM, 512 MB NAND flash

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

Display
+ Integrated LCD, touch, and backlight connector for 4.3" LCD panel
+ 24-bit HDMI port (video only)

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
+ Two USB 2.0 high-speed host ports

Serial I/O
+ 115.2kbps RS-232 debug serial port

Camera
+ Parallel camera interface connector

Debug
+ Connectors for JTAG and ETM interfaces

Software
+ LogicLoader™ (bootloader/monitor)
+ Wattson™ power measurement application
+ Android, Linux, Windows Embedded CE BSPs
+ Windows Embedded CE 180-day Evaluation Kit

Battery
+ 1100 mAhr, 3.7V Li-Ion battery

Cables
+ Serial cable (null-modem)
+ Two 10-pin to DB9 UART adapter cables
+ Ethernet crossover cable
+ Two USB A to mini-B cables
+ 5 volt power supply with universal adapter

RoHS Compliant

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