

**PRODUCT BRIEF:**

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

## Zoom™ DM3730 SOM-LV Development Kit

The Zoom DM3730 SOM-LV Development Kit is a full-featured, 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 SOM-LV and software Board Support Packages (BSPs) included in the kit, enabling you to seamlessly transfer application code and hardware into production. The included DM3730 SOM-LV utilizes the superset 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



ZOOM DM3730 SOM-LV DEVELOPMENT KIT WITH  
DM3730 SOM-LV & 4.3" QWVGA LCD INCLUDED

in the end application. Wattson is independent of the system, allowing power measurement even when the SOM is in deep sleep states like suspend and off.

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

**ZOOM DM3730 SOM-LV DEVELOPMENT KIT :: HIGHLIGHTS:**

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

**DM3730 SOM-LV :: BENEFITS:**

- + Long product lifecycle
- + Low-power, high-performance
- + Network connectivity (802.11b/g/n and Bluetooth 2.1 + EDR radios)
- + Compact SOM-LV form factor (31.2 x 76.5 x 7.4 mm)
- + See the *DM3730 SOM-LV Product Brief* for more information

## Zoom™ DM3730 SOM-LV Development Kit Ordering Information

Model Number	SOM-LV Configuration	Suggested Resale
SDK-DM3730-10-256512R	SOMDM3730-10-2782IFCR	\$997

## DM3730 / AM3703 SOM-LV Ordering Information

Model Number	Speed (MHz)	mDDR/ NAND Flash (MB)	NOR Flash (MB)	Wired Ethernet	802.11b/g/n Ethernet	Bluetooth	Temp. (°C)
SOMAM3703-10-2780HFCR	1000	256/512	0	Y	N	N	0°–70°
SOMDM3730-10-2782IFCR	1000	256/512	8	Y	Y	Y	0°–70°
SOMDM3730-10-1782IFXR	800	256/512	8	Y	Y	Y	-20°–70°
SOMDM3730-10-1782JFIR	800	256/512	8	Y	N	Y	-40°–85°

NOTE: Custom configurations are available by special order. Please contact Logic PD Sales for details.

## Optional Zoom Display Kit Ordering Information

Model Number	Sharp LCD PN	Display Size	Display Format	Key Features
LCD-4.3-WQVGA-20R	LQ043T1DG28	4.3"	WQVGA 480 x 272	Widescreen, color, transmissive

NOTE: The DM3730 SOM-LV Development Kit comes with a 4.3" WQVGA LCD. The optional Zoom Display Kit listed in the table above is available for purchase separately. Please see Logic PD's website for more details: [www.logicpd.com/dm3730-am3703-som-lv](http://www.logicpd.com/dm3730-am3703-som-lv)



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### LOGIC PD WEBSITE :: DESIGN RESOURCES:

+ Logic PD Products : [www.logicpd.com/products](http://www.logicpd.com/products)  
+ Logic PD Technical Support : [www.logicpd.com/support](http://www.logicpd.com/support)  
+ Contact Logic PD Sales : [www.logicpd.com/contact/inquiry](http://www.logicpd.com/contact/inquiry)

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## Product Features

### DM3730 SOM-LV Included

+DaVinci™ DM3730 processor, 1 GHz, 256 MB mDDR, 512 MB NAND flash, 8 MB NOR flash, 10/100 Ethernet, 802.11b/g/n, Bluetooth

### Included LCD Panel

+4.3" WQVGA LCD panel  
+4-wire 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)  
+Antenna for 802.11b/g/n and Bluetooth 2.1 + EDR wireless radios

### PC Card Expansion

+CompactFlash® Type I card  
+MMC/SD card

### USB

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

### Serial I/O

+115.2kbps RS-232 debug serial port

### Expansion Boards and Debug

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

### Software

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

### Cables

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

### RoHS Compliant