Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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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 on the product-ready SOMs using the software Board Support Packages (BSPs) included with the kit, enabling you to seamlessly transfer application code and hardware into production. The development kit includes two SOMs: the DM3730 Torpedo SOM and the DM3730 Torpedo + Wireless SOM. Both SOMs utilize the superset DM3730 processor, allowing for easy evaluation of either the DM3730 or AM3703 processor.

The ultra-compact DM3730 Torpedo SOM is an ideal off-the-shelf solution for applications in markets where space is a premium. The award-winning DM3730 Torpedo + Wireless SOM integrates the WiLink™ 7.0 wireless solution, providing access to all wireless protocols required in today's connected world: 802.11a/b/g/n, Bluetooth, and GPS.

To assist with software development, Logic PD includes Wattson™, a power measurement and performance monitoring

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

application. Wattson delivers real-time graphical feedback and data-logging capabilities without the need for external oscilloscopes and meters. The application guides you to the lowest power and highest performance software combination for your product. 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 & DM3730 Torpedo + Wireless SOMs
+ Includes 4.3" WQVGA LCD with touchscreen
+ Ready to run Board Support Packages (BSPs):
  Android BSP
  Linux™ BSP
  Windows® Embedded CE BSP (supported on non-wireless SOM only)
+ Wattson power measurement application
+ Compact size

DM3730 TORPEDO SOMS :: BENEFITS:

+ Long product lifecycle
+ Low-power, high-performance
+ Ultra-compact form factor
  15 x 27 x 3.8 mm : non-wireless SOM (installed)
  15 x 33 x 3.8 mm : wireless SOM (installed)
+ 802.11a/b/g/n, Bluetooth, & GPS connectivity (wireless SOM only)
+ FCC & IC modular certified (wireless SOM only)
+ See respective SOM product briefs for more information

LOGIC PD™

Zoom™ DM3730 Torpedo Development Kit Ordering Information

Model Number	SOM Configuration	Suggested Resale
SDK-DM3730-30-256512R	SOMDM3730-30-2780AKCR SOMDM3730-20-2780AGCR	$997

DM3730 / AM3703 Torpedo SOM Ordering Information

Model Number[1]	Speed (MHz)	SDRAM (MB)	NAND Flash (MB)	Temperature
SOMAM3703-20-1780AGCR	800	256	512	Commercial[2]
SOMDM3730-20-2780AGCR	1000	256	512	Commercial[2]
SOMDM3730-20-1780AGIR	800	256	512	Industrial[3]
SOMDM3730-20-1880AGIR	800	512	512	Industrial[3]

NOTES: 1. Custom configurations are available by special order. Please contact Logic PD Sales for details.
2. Junction temperature of the DM3730/AM3703 processor must stay below 90°C.
3. Junction temperature of the DM3730/AM3703 processor must stay below 105°C.

DM3730 / AM3703 Torpedo + Wireless SOM Ordering Information

Model Number[1]	Speed (MHz)	SDRAM (MB)	NAND Flash (MB)	Temperature
SOMAM3703-30-1780AKIR	800	256	512	Industrial[2]
SOMDM3730-30-2780AKCR	1000	256	512	Commercial[3]
SOMDM3730-30-1780AKIR	800	256	512	Industrial[2]
SOMDM3730-30-1880AKIR	800	512	512	Industrial[2]

NOTES: 1. Custom configurations are available by special order. Please contact Logic PD Sales for details.
2. Junction temperature of the DM3730/AM3703 processor must stay below 105°C.
3. Junction temperature of the DM3730/AM3703 processor must stay below 90°C.

Optional Zoom Display Kit Ordering Information

Model Number	Sharp LCD P/N	Display Size	Display Format	LCD Interface	Key Features
LCD-4.3-WQVGA-20R	LQ043T1DG28	4.3"	WQVGA 480 x 272	TFT	Widescreen, color, transmissive

NOTE: The Zoom DM3730 Torpedo Development Kit comes with a 4.3" WQVGA LCD. The Zoom Display Kit listed
in the table above is available for purchase separately. Please see the Logic PD website for more details:
www.logicpd.com/dm3730-am3703-torpedo-som

LOGIC PD™

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Product Features

DM3730 Torpedo SOMs Included
+TI DaVinci™ DM3730 processor, 1 GHz, 256 MB mDDR SDRAM, 512 MB NAND flash
+TI WL1283 chipset providing 802.11a/b/g/n, Bluetooth, and GPS connectivity*

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 MMC/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)
+Android, Linux, Windows Embedded CE** BSPs
+Windows Embedded CE 180-day Evaluation Kit**
+Wattson™ power measurement application

Battery
+1100 mAhr, 3.7V Li-Ion battery

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

Antennas
+Active GPS antenna and cable adapter
+Two dual-band dipole antennas

RoHS Compliant

*Wireless version only
**Windows Embedded CE software supported on non-wireless version only