



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



PRODUCT BRIEF:

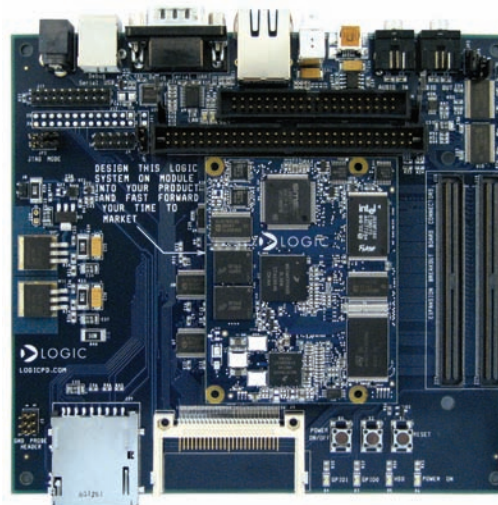
Logic :: Freescale

ZOOM™ i.MX LITEKIT Development Kit

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

Application development is performed right on the product-ready i.MX 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 i.MX 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 i.MX SOM-LV allows for powerful versatility and long-life products.



ZOOM™ i.MX LITEKIT WITH i.MX SOM-LV INCLUDED

The Zoom i.MX LITEKIT includes the i.MX SOM-LV, application baseboard, and accessories required to immediately begin development work.

ZOOM™ i.MX LITEKIT :: HIGHLIGHTS:

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

i.MX SOM-LV :: BENEFITS:

- + Long product life-cycle
- + Scalability
- + Compact SOM-LV form factor
- + See i.MX27 SOM-LV and i.MX31 SOM-LV product briefs for more information



ZOOM™ i.MX LITEKIT Ordering Information

Model Number	SOM-LV Configuration	Recommended Resale
MCIMX27LITEKIT	MIMX27CSOMCR	\$675
MCIMX31LITEKITC	MIMX31CSOMCR	\$675

i.MX27 SOM-LV Type II¹ Ordering Information

Model Number	Speed (MHz)	SDRAM (MB)	NAND Flash (MB)	NOR Flash (MB)	Touch	Audio	Ethernet	Temp
MIMX27BSOMCR	up to 400	64	64	2	Y	Y	Y	0 °C to 70 °C
MIMX27CSOMCR	up to 400	128	64	2	Y	Y	Y	0 °C to 70 °C
MIMX27CSOMXR	up to 400	128	64	2	Y	Y	Y	-30 °C to 85 °C

1. SOM-LV Type II modules measure 50.8 x 76.2 x 7.9 mm. Please see White Paper 340: *SOM-LV Mechanical Interface Specification* for more details.

i.MX31 SOM-LV Type I² Ordering Information

Model Number	Speed (MHz)	SDRAM (MB)	NAND Flash (MB)	NOR Flash (MB)	Touch	Audio	Ethernet	Temp
MIMX31ASOMCR	up to 532	64	64	2	Y	Y	--	0 °C to 70 °C
MIMX31BSOMCR	up to 532	64	64	2	Y	Y	Y	0 °C to 70 °C
MIMX31CSOMCR	up to 532	128	64	2	Y	Y	Y	0 °C to 70 °C
MIMX31CSOMXR	up to 532	128	64	2	Y	Y	Y	-30 °C to 85 °C

2. SOM-LV Type I modules measure 59.1 x 76.2 x 7.9 mm. Please see White Paper 340: *SOM-LV Mechanical Interface Specification* for more details.

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	Color, transmissive
LCD-6.4-VGA-10R	LQ64D343	6.4"	VGA 640x480	TFT	Color, transmissive

LOGIC WEBSITE :: DESIGN RESOURCES:

- + Logic Technical Support : <http://www.logicpd.com/support/>
- + Technical Discussion Group : <http://www.logicpd.com/support/tdg/>
- + Frequently Asked Questions (FAQ) : <http://www.logicpd.com/support/faq/>
- + For more information contact Logic Sales : product.sales@logicpd.com



embedded product solutions

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

Product Features

Freescale i.MX SOM-LV Included

LCD Display Connector

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

Audio

- + Stereo input and output jacks

Network Support

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

PC Card Expansion

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

ATA Support

USB

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

Serial Ports

- + 115.2kbps RS-232 debug serial port

Software

- + LogicLoader™ (bootloader/monitor)
- + Windows® Embedded CE BSP
- + GNU cross development toolchain (compiler, linker, assembler, debugger)

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

