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

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ZOOM™ i.MX LITEKIT Ordering Information

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

i.MX27 SOM-LV Type II[1] 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 I[2] 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

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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

freescale™ semiconductor