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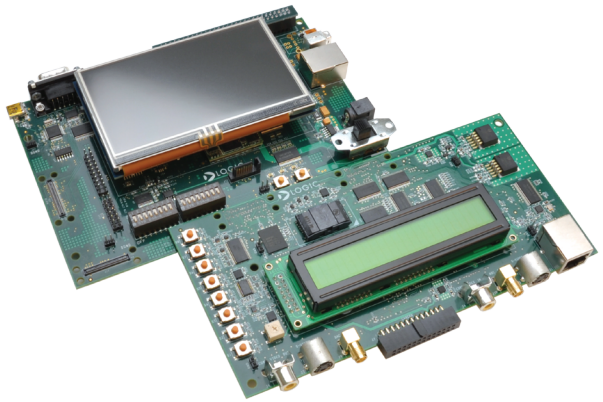
Find the *Logic PD Zoom OMAP-L138* at our website: ***Click HERE***

Zoom™ OMAP-L138 EVM
Development Kit

Logic PD's product-ready software and hardware platforms fast forward your product development while reducing risk and controlling costs. The Zoom OMAP-L138 EVM Development Kit is a high-performance application development kit for evaluating the functionality of Texas Instruments' (TI) energy-efficient OMAP-L138 applications processor, TMS320C6748 Digital Signal Processor (DSP), and Logic PD's System on Module (SOM).

Application development is performed right on the product-ready OMAP-L138 SOM-M1 and software Board Support Package (BSP) included in the kit, which enables you to seamlessly transfer your application code and hardware into production. The included SOMs provide easy evaluation of the OMAP-L138 processor and TMS320C6748 DSP.

The OMAP-L138 SOM-M1 is ideal for applications that require high-speed data transfer and high-capacity storage, such as test and measurement, public safety radios, audio applications, and intelligent occupancy sensors. The OMAP-L138 and TMS320C6748 both offer a universal parallel port (uPP) and are the first TI devices with an integrated Serial Advanced Technology Attachment (SATA)



ZOOM OMAP-L138 EVM DEVELOPMENT KIT

interface. For medical, industrial, audio, and communication products, the OMAP-L138 SOM-M1 allows for powerful versatility, long-life, and greener products.

The Zoom OMAP-L138 EVM Development Kit includes two SOMs (OMAP-L138 SOM-M1 and C6748 SOM-M1),

ZOOM OMAP-L138 EVM :: HIGHLIGHTS:

+ OMAP-L138 SOM-M1
+ C6748 SOM-M1
+ Application baseboard
+ User interface board
+ 4.3" WQVGA LCD panel
+ Linux™ DVSDK
+ Necessary accessories to immediately get up and running

OMAP-L138 SOM-M1 :: BENEFITS:

+ Product-ready System on Module with a TI OMAP-L138 processor or TMS320C6748 DSP running at 375 MHz
+ Compact form factor—SOM-M1 (30.0 x 40.0 x 4.5 mm)
+ Long product lifecycle
+ Commercial temp (0˚C to 70˚C) Industrial temp (-40˚C to 85˚C)
+ RoHS compliant
+ See the OMAP-L138 SOM-M1 Product Brief for more information

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Zoom™ OMAP-L138 EVM Development Kit Ordering Information

Model Number	SOM-M1 Configurations Included	Suggested Resale
TMDSEVML138	SOMOMAPL138-10-1602AHCR[1] SOMC6748-10-1602AHCR	$1050

NOTE: 1. This configuration is the SOMOMAPL138-10-1602AHCR with added power measurement circuitry.

OMAP-L138/C6748 SOM-M1 Ordering Information

Model Number[1]	Processor	mDDR (MB)	NOR Flash (MB)	10/100 Ethernet	SATA	Temp. (°C)
SOMOMAPL138-10-1602AHCR	OMAPL138	128	8	Y	Y	0°–70°
SOMOMAPL138-10-1502QHCR	OMAPL138	64	8	Y	N	0°–70°
SOMOMAPL138-10-1602QHIR	OMAPL138	128	8	Y	N	-40°–85°
SOMC6748-10-1602AHCR1	TMS320C6748	128	8	Y	Y	0°–70°

NOTE: 1. Custom configurations are available by special order. Please contact Logic PD Sales for details.

LOGIC PD®

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Product Features

OMAP-L138 SOM-M1 & C6748 SOM-M1 Included

+ TI OMAP-L138a processor, 128 MB mDDR SDRAM, 8 MB NOR flash, wired Ethernet, SATA
+ TI TMS320C6748 DSP, 128 MB mDDR SDRAM, 8 MB NOR flash, wired Ethernet, SATA

Application Baseboard Features

Display Interfaces

+ Integrated 16 bpp LCD, touch, and backlight connector

Included LCD Panel

+ 4.3” WQVGA LCD panel
+ 4-wire resistive touchscreen

Network Support

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

SATA

+ One Serial ATA connector

PC Card Expansion

+ One MMC/SD card slot

USB

+ One USB 2.0 high-speed On-the-Go interface
+ One USB 1.1 full-speed host

Serial Ports

+ 115.2kbps RS-232 debug serial port

Debug

+ Connectors for JTAG interface
+ XDS100 emulation circuit

Audio

+ Stereo in/out connectors
+ TLV320AIC3106 audio codec

UI Board Features

Video

+ S-Video in/out connectors (TVP5147/ADV7343)
+ Analog video in/out connectors (TVP5147/ADV7343)
+ Analog-to-digital converter (ADS901)
+ Digital-to-analog converter (DAC900)
+ Camera interface

LCD Panel

+ 48-character LCD panel

Network Support

+ One RJ45 Ethernet jack connector

Flash Memory

+ 8 MB NOR flash
+ 512 MB NAND flash

Software and Kit Contents

Software

+ Linux demo & DVSDK on SD card
+ U-Boot (bootloader/monitor)
+ DSP/BIOS
+ Board Support Library (BSL) sample programs
+ Code Composer Studio v4.2
+ Ubuntu 10.04 LTS Desktop Edition CD
+ CodeSourcery G++ Lite and Commercial Tools - Evaluation DVD

Cables & Accessories

+ Serial cable (null-modem)
+ Ethernet crossover cable
+ USB A to mini-B cable
+ USB SD card reader
+ 5 volt power supply (with Europe, Japan, UK, & US adapters)

RoHS Compliant

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