

OMAP-L138 Experimenter Kit Status: ACTIVE

TMDXL138LOGICEXP

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Name	OMAP-L138 Experimenter Kit
Status	ACTIVE
Price (US\$)	\$149.00
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Product Information

Description

The Zoom OMAP-L138 eXperimenter Kit is a low-cost application development kit for evaluating the functionality of Texas Instruments' energy-efficient OMAP-L138 applications processor, TMS320C6748/6/2 DSP processors and Logic's System on Module (SOM).

Features

The Zoom OMAP-L138 eXperimenter Kit includes the OMAP-L138 SOM-M1, application baseboard, and software required for development work.

- **Texas Instruments OMAP-L138 SOM-M1**
 - SOM included to evaluate the OMAP-L138 processor (with 64 MB Mobile DDR)
- **LCD Display Connector**
 - Integrated LCD, touch, and backlight connector for optional Zoom Display Kits
- **Audio**
 - Stereo in/out connectors
 - TLV320AIC3106 audio codec
- **Network Support**
 - One RJ45 Ethernet connector SATA
 - Serial ATA connector
- **PC Card Expansion**
 - MMC/SD card
- **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
- **Software**
 - U-Boot (bootloader/monitor)
 - Open source Linux BSPs
 - Code Composer Studio (CCS) v3.3
 - DSP/BIOS
 - Board Support Library (BSL) sample programs
 - Peripheral drivers (web download)
- **Cables**
 - USB A to mini-B cable
 - 5 volt power supply (with Europe, Japan, UK, & US adapters)

RoHS Compliant

User Manuals

- [Zoom OMAP-L138 eXperimenter Kit QuickStart Guide](#)

Hardware Documentation and Design Files

- [OMAP-L138 SOM-M1 Hardware Specification](#) (This link takes you away from the TI site.)
- [OMAP-L138 SOM-M1 \(64 MB mDDR\) BOM, Schematic, and Layout](#) (This link takes you away from the TI site & requires a Logic account & login)
- [OMAP-L138 Baseboard BOM, Schematic, and Layout](#) (This link takes you away from the TI site & requires a Logic account & login)

For any file that "requires a Logic account & login", user will need to set up a name and password on the **Logic** site before accessing the file.

More detailed hardware information for the Zoom OMAP-L138 eXperimenter Kit can be found on the manufacturer's, Logic, web site. (<http://www.logicpd.com/products/development-kits/zoom-omap-l138-experimenter-kit>).

Additional Information

[Side by side comparison of OMAP-L138 eXperimenter kit and EVM.](#)

Ordering Information

Zoom OMAP-L138 eXperimenter Kits are available from Logic Distributors.

SDK-XOMAPL138-10-6408R (includes SOMXOMAPL138-10-1502AHCR) \$149

Distributors

- [Arrow North America](#)
- [Avnet Electronics Marketing \(EM\) Americas](#)
- [Digi-Key Corporation](#)
- [Arrow Rapac](#)
- [Sasco Holz, An Arrow Company](#)

Related Products

Related Software			
Name	Part#	Company	Software Type
Linux Software Development Kit (SDK) for OMAP-L138 Processors	LINUXSDK-OMAPL138	Texas Instruments	Software Development Kit (SDK)

Support and Community

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Name	Type	Available During
SYS/BIOS On-line Training This on-line training is designed to introduce users to real time operating systems and the SYS/BIOS product in particular.	On-Line Training	On Demand
MSP430™ Value Line LaunchPad – A complete and open source development kit for ju LaunchPad is the newest development tool to come out of MSP430's Value Line.	On-Line Training	On Demand
eZ430-Chronos Teardown The eZ430-Chronos is the development tool that put a complete open-source development system in a RF-enabled sport's watch.	On-Line Training	On Demand

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