Logic PD’s product-ready software and hardware platforms fast forward your product development while reducing risk and controlling costs. The Zoom OMAP-L138 eXperimenter Kit is a low-cost application development kit for evaluating the functionality of Texas Instruments’ (TI) energy-efficient OMAP-L138 applications processor 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 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, music effects, andcommunication products, the OMAP-L138 SOM-M1 allows for powerful versatility, long-life, and greener products. The Zoom OMAP-L138 eXperimenter Kit includes the OMAP-L138 SOM-M1, application baseboard, 4.3” WQVGA LCD panel, accessories, and software required to immediately begin development work.

PRODUCT BRIEF:
Logic PD :: Texas Instruments
www.logicpd.com/ti

Zoom™ OMAP-L138 eXperimenter Kit

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ZOOM OMAP-L138 EXPERIMENTER KIT :: HIGHLIGHTS:
- Low-cost eXperimenter kit
- OMAP-L138 SOM-M1
- Application baseboard
- 4.3” WQVGA LCD panel
- Linux™ DVSDK

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 4.1 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
**Product Features**

- **OMAP-L138 SOM-M1 Included**
  - TI OMAP-L138 processor, 128 MB mDDR SDRAM, 8 MB NOR flash, wired Ethernet, SATA

- **LCD Display Connector**
  - Integrated LCD, touch, and backlight connector

- **Included LCD Panel**
  - 4.3" WQVGA LCD panel
  - 4-wire resistive touchscreen

- **Audio**
  - Stereo in/out connectors
  - TLV320AIC3106 audio codec

- **Network Support**
  - One RJ45 Ethernet connector

- **SATA**
  - Serial ATA connector

- **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
  - XDS100v1 emulation circuit

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

- **RoHS Compliant**

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**OMAP-L138/C6748 SOM-M1 Ordering Information**

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<th>Model Number</th>
<th>Processor</th>
<th>Speed (MHz)</th>
<th>mDDR (MB)</th>
<th>NOR Flash (MB)</th>
<th>Wired Ethernet</th>
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<th>Temp. (°C)</th>
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**NOTE:** Custom configurations are available by special order. Please contact Logic PD Sales for details.