Zoom™ AM1808 eXperimenter Kit

Logic PD's product-ready software and hardware platforms fast forward your product development while reducing risk and controlling costs. The Zoom AM1808 eXperimenter Kit is a low-cost application development kit to evaluate the functionality of the Texas Instruments (TI) energy-efficient AM1808 applications processor and Logic PD's System on Module (SOM).

Application development is performed right on the product-ready AM1808 SOM-M1 and software Board Support Packages (BSPs) included in the kit, which enables you to seamlessly transfer your application code and hardware into production.

The AM1808 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 and intelligent occupancy sensors. The AM1808 offers a universal parallel port (uPP) and is the first TI device with an integrated Serial Advanced Technology Attachment (SATA) interface. For medical, industrial, audio, and

ZOOM AM1808 EXPERIMENTER KIT

communication products, the AM1808 SOM-M1 allows for powerful versatility, long-life, and greener products.

The Zoom AM1808 eXperimenter Kit includes the AM1808 SOM-M1, application baseboard, 4.3" WQVGA LCD, accessories, and software required to immediately begin development work.

ZOOM AM1808 EXPERIMENTER KIT :: HIGHLIGHTS:

+ Low-cost eXperimenter kit
+ AM1808 SOM-M1
+ Application baseboard
+ 4.3" WQVGA LCD panel
+ Linux™ and Windows® Embedded CE SDKs
+ Blackhawk USB100v2 JTAG controller

AM1808 SOM-M1 :: BENEFITS:

+ Product-ready System on Module with a TI AM1808 processor running at 450 MHz
+ Compact form factor—SOM-M1 (30.0 x 40.0 x 4.5 mm)
+ Long product lifecycle
+ Commercial temp (0℃ to 70℃) Industrial temp (-40℃ to 85℃)
+ RoHS compliant
+ See the *AM1808 SOM-M1 Product Brief* for more information

LOGIC PD™

Zoom™ AM1808 eXperimenter Kit Ordering Information

Model Number	SOM-M1 Configuration Included	Suggested Resale
TMDSEXP1808L[1]	SOMAM1808-10-1602AHCR[2]	$445

NOTES: 1. The AM1808 eXperimenter Kit is available through Texas Instruments distributors.
2. This configuration has added power measurement circuitry.

AM1808 SOM-M1 Ordering Information

Model Number	Speed (MHz)	mDDR (MB)	NOR Flash (MB)	Wired Ethernet	SATA	Temp (°C)
SOMAM1808-10-1502QHCR	450	64	8	Y	N	0°–70°
SOMAM1808-10-1602QHIR	450	128	8	Y	N	-40°–85°

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

Product Features

AM1808 SOM-M1 Included
+TI AM1808 processor, 128 MB mDDR SDRAM, 8 MB NOR flash, wired Ethernet, SATA

LCD Display Connector
+Integrated LCD, touch, and backlight

Included LCD Panel
+4.3" WQVGA LCD panel w/resistive touchscreen

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
+115.2 kbps RS-232 debug serial port

Debug
+Connectors for JTAG interface
+Blackhawk USB100v2 JTAG controller

Software
+U-Boot (bootloader/monitor)
+Linux™ demo & SDK
+Windows® Embedded CE demo & SDK
+Code Composer Studio (CCS)
+Board Support Library (BSL) sample programs
+Code Sourcery G++ Lite and Commercial Tools - Evaluation DVD
+Ubuntu 10.04 LTS Desktop Edition CD
+Windows Embedded CE 6.0 180-day Evaluation Kit
+Mentor Graphics ReadyStart™ for Nucleus CD

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

RoHS Compliant

LOGIC PD WEBSITE :: DESIGN RESOURCES:
+Logic PD Products : www.logicpd.com/products
+Logic PD Technical Support : www.logicpd.com/support
+Logic PD Sales : www.logicpd.com/contact/inquiry

LOGIC PD™

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

TEXAS INSTRUMENTS
Sitara