

PRODUCT BRIEF:

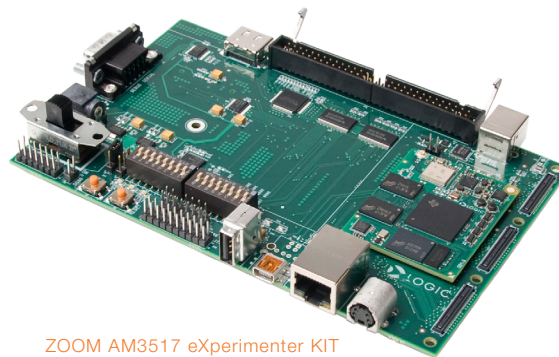
Logic PD :: Texas Instruments
www.logicpd.com/ti

Zoom™ AM3517 eXperimenter Kit

Logic PD's product-ready software and hardware platforms fast forward your product development while reducing risk and controlling costs. The Zoom AM3517 eXperimenter Kit is a low-cost application development kit for evaluating the functionality of Texas Instruments' new Sitara AM3517 ARM microprocessor and Logic PD's System on Module (SOM).

Application development is performed right on the product-ready AM3517 SOM-M2 and software Board Support Packages (BSPs) included with the kit, which enables you to seamlessly transfer your application code and hardware into production.

The AM3517 SOM-M2 is ideal for applications that require high-performance graphics, including applications that require OpenVG and OpenGL ES1.1 & 2.0 acceleration. The AM3517 eXperimenter kit includes an SGX530 graphics accelerator and multiple communication ports including wired 10/100 Ethernet. For commercial signage, medical imaging, avionics, and industrial



ZOOM AM3517 eXperimenter KIT

displays, the AM3517 SOM-M2 allows for powerful versatility, long-life, and greener products.

The Zoom AM3517 eXperimenter Kit includes the AM3517 SOM-M2, baseboard, and software required for development work.

ZOOM AM3517 eXPERIMENTER KIT :: HIGHLIGHTS:

- + Low-cost eXperimenter kit
- + AM3517 SOM-M2
- + eXperimenter baseboard
- + Open source Linux™ BSP

AM3517 SOM-M2 :: BENEFITS:

- + Product-ready System on Module with a TI AM3517 processor running at 600 MHz
- + Compact form factor—SOM-M2 (40.9 x 51.2 x 5.4 mm)
- + Long product lifecycle
- + Commercial temp (0°C to 70°C)
Extended temp (-20°C to 70°C)
Industrial temp (-40°C to 85°C)
- + RoHS compliant
- + See the AM3517 SOM-M2 Product Brief for more information

Zoom™ AM3517 eXperimenter Kit Ordering Information

Model Number	SOM-M2 Configurations Included	Suggested Resale
SDK-AM3517-10-256512R	SOMAM3517-10-1780FJCR	\$270

NOTE: The Zoom AM3517 eXperimenter Kit is available through Logic PD distributors.

AM3517 SOM-M2 Ordering Information

Model Number	DDR2 (MB)	NAND Flash (MB)	Wired Ethernet	802.11 Ethernet	Bluetooth	Temp. (°C)
SOMAM3517-10-1780RJCR	256	512	Y	b/g/n	Y	0–70
SOMAM3517-10-1780FJCR	256	512	Y	—	—	0–70
SOMAM3517-10-1780RJXR	256	512	Y	b/g/n	Y	-20–70
SOMAM3517-10-1780FJIR	256	512	Y	—	—	-40–85

NOTE: Custom configurations are available by special order. Please contact Logic PD Sales for details: product.sales@logicpd.com.

Optional Zoom Display Kit Ordering Information

Model Number	Sharp LCD PN	Display Size	Display Format	Key Features
LCD-3.6-QVGA-10R	LQ036Q1DA01	3.6"	QVGA 320x240	Landscape, color, transmissive w/HRTFT ASIC
LCD-4.3-WQVGA-10R	LQ043T1DG01	4.3"	WQVGA 480x272	Widescreen, color, transmissive
LCD-6.4-VGA-10R	LQ64D343	6.4"	VGA 640x480	Landscape, color, transmissive

NOTE: Please see the Logic PD website for details: www.logicpd.com/products/display-kits.

LOGIC PD WEBSITE :: DESIGN RESOURCES:

- +Logic PD Products : www.logicpd.com/products
- +Logic PD Technical Support : www.logicpd.com/product-support
- +For more information contact Logic Sales : product.sales@logicpd.com



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Product Features

Texas Instruments AM3517 SOM-M2 Included

- +AM3517 processor, 256 MB DDR2 SDRAM, 512 MB NAND flash, wired Ethernet, no 802.11b/g/n, no Bluetooth

Display Interfaces

- +Integrated 16 bpp LCD, touch, and backlight connector for optional Zoom Display Kits
- +HDMI 24 bpp video-out interface (video only)

Network Support

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

PC Card Expansion

- +One MMC/SD card slot

USB

- +One USB 2.0 high-speed On-the-Go mini AB connector
- +One USB 2.0 high-speed host Type A connector

Serial Ports

- +115.2kbps RS-232 debug serial port
- +USB/UART debug serial port

Debug

- +Connectors for JTAG interface

Software

- +U-Boot (bootloader/monitor)
- +TI open source Linux BSP

Cables & Accessories

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

RoHS Compliant

