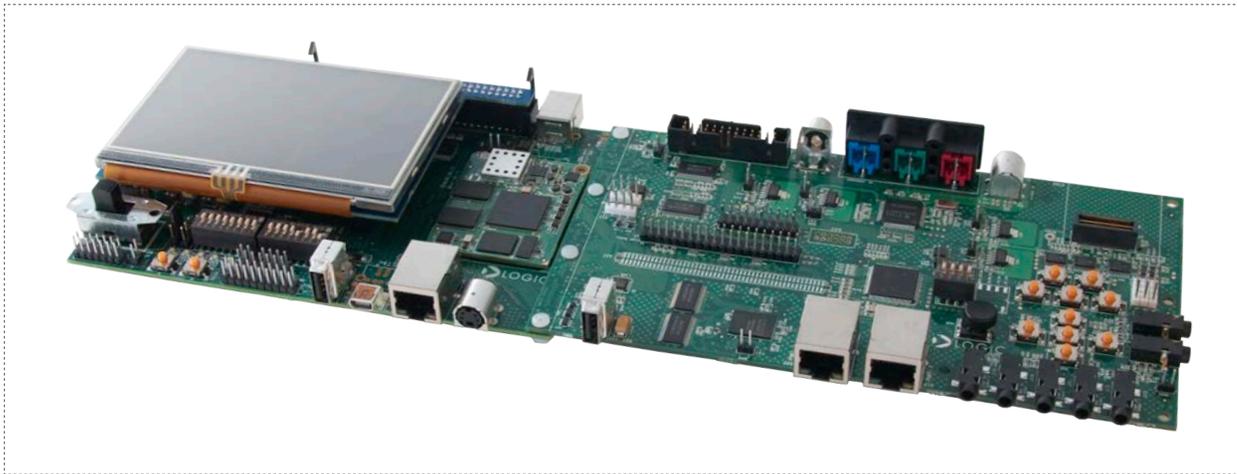


PRODUCT BRIEF:

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

Zoom™ AM3517 EVM Development Kit



ZOOM AM3517 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 AM3517 EVM Development Kit is a high-performance application development kit to evaluate the functionality of the Texas Instruments (TI) 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 included SOM-M2 provides easy evaluation of the AM3517 processor.

The AM3517 SOM-M2 is ideal for applications that require high-performance graphics, including applications that require OpenVG and OpenGL ES 1.1 & 2.0 acceleration.

The AM3517 includes an SGX530 graphics accelerator and multiple communication ports including Bluetooth, wireless 802.11b/g/n, and wired 10/100 Ethernet. For commercial signage, medical imaging, avionics, and industrial displays, the AM3517 SOM-M2 allows for powerful versatility, long-life, and greener products.

The Zoom AM3517 EVM Development Kit includes the AM3517 SOM-M2, baseboard, application board, accessories, and software required to immediately begin development work.

ZOOM AM3517 EVM :: HIGHLIGHTS:

- +AM3517 SOM-M2
- +Baseboard
- +Application board
- +4.3" WQVGA LCD panel
- +Android Development Kit
- +Linux™ SDK
- +Necessary accessories to immediately get up and running

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)
Industrial temp (-40°C to 85°C)
- +FCC Part 15 Subpart C compliant
- +RoHS compliant

Zoom™ AM3517 EVM Development Kit Ordering Information

Model Number	SOM-M2 Configurations Included	Suggested Resale
TMDSEVM3517C ¹	SOMAM3517-10-1780RJCR ²	\$999

NOTES: 1. The Zoom AM3517 EVM Development Kit is available through Texas Instruments distributors.
2. This configuration is the SOMAM3517-10-1780RJCR with added power measurement circuitry.

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
SOMAM3517-10-1780FJIR	256	512	Y	—	—	-40–85

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

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



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Product Features

AM3517 SOM-M2 Included

+TI AM3517 processor, 256 MB DDR2 SDRAM, 512 MB NAND flash, Bluetooth, 802.11b/g/n, wired Ethernet

Baseboard Features

Display Interfaces

+Integrated 16 bpp LCD, touch, and backlight connector
+HDMI 24 bpp video-out interface (video only)

Included LCD Panel

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

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

Application Board Features

Audio

+Two stereo-out mini-headphone jacks
+One stereo-in mini-headphone jack
+Two powered mic inputs

Video

+S-Video in connector (TVP5146)
+Component video in connector (TVP5146)
+Composite RGB video in connectors (TVP5146)
+Parallel camera interface

Keypad

+Keypad with function-specific keys
+5-way jog-knob dial

Network Support

+Two RJ45 Ethernet jacks

PC Card Expansion

+One SD/MMC card slot

USB

+One USB 2.0 high-speed host Type A connector

Software and Kit Contents

Software

+Android demo & development kit on SD card
+Linux™ demo & SDK on SD card
+Board Support Library (BSL) sample programs
+Ubuntu 10.04 LTS Desktop Edition CD

RoHS Compliant

Cables & Accessories

+Serial cable (null-modem)
+Ethernet crossover cable
+USB A to mini-B cable
+USB A to B cable
+USB SD card reader
+5 volt power supply & cord
+Power converter
+Antenna for 802.11 Ethernet and Bluetooth 2.1 + EDR connectivity