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

AM3517 SOM-M2 System on Module

AM3505 AM3517

The AM3517 System on Module (SOM) is a compact, productready hardware and software solution that fast forwards embedded designs while reducing risk and controlling cost.

Based on Texas Instruments' new Sitara AM3517 microprocessor and designed in the SOM-M2 form factor, the AM3517 module offers essential features for handheld and embedded networking applications. The AM3517 SOM-M2 features the superset AM3517 processor, but also supports the AM3505 processor.

The standard SOM-M2 form factor allows developers to reuse existing baseboard designs when upgrading to new AM processors, which extends roadmap possibilities for their end-product.

Two Zoom Development Kit options allow developers to choose the platform best suited to their application needs. By starting with the corresponding Zoom Development Kit, engineers can write application software on the same hardware that will be used in their final product.

The compact size of the AM3517 SOM-M2 is ideal for medical patient monitoring wearables and other portable instrumentation applications. The AM3517 includes an SGX530 graphics accelerator



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and multiple communication ports, including Bluetooth, wireless 802.11b/g, 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.

AM3517 SOM-M2 :: HIGHLIGHTS:

- + Product-ready System on Module with a TI AM3517 processor running at 500 MHz
- +Compact form factor-SOM-M2
- (40.9 x 51.2 x 4.4 mm) +Long product lifecycle
- +Open source Linux[™] BSP
- +0°C to 70°C (commercial temp)
- + Industrial temp configuration coming
- second half of 2010 + RoHS compliant

ZOOM DEVELOPMENT KIT :: OPTIONS:

Low-cost eXperimenter Kit +AM3517 SOM-M2

+eXperimenter baseboard

EVM Development Kit

- +AM3517 SOM-M2
- +eXperimenter baseboard
- +Application board
- +4.3" WQVGA LCD panel
- + Necessary accessories to immediately get up and running



