NEW PRODUCT PRESS RELEASE

Availability: NOW

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FOR IMMEDIATE RELEASE

Ultra Low Power Consumption Industrial ARM System on Module Controller

Designed and manufactured in the USA, the SoM-A5D35 is an Ultra Low Power System on Module (SoM) designed to plug into an EMAC carrier board that contains all the connectors and I/O required for a system. The SoM-A5D35 is based on the Atmel ARM Cortex A5 ATSAMA5D35 processor.

A SoM is a small embedded module that contains the core of a microprocessor system. The SoM-A5D35 is an industrial temperature, fanless ARM 536 MHz with 4GB of eMMC Flash, 16MB of serial data flash, and 512MB of LP DDR2 RAM. The module has 10/100 BaseT Ethernet, 5 serial ports, and 3 USB 2.0 ports. The recommended development / carrier board is the SoM-150 carrier board.

The SoM approach allows clients to develop a product using a commercial off the shelf (COTS) development / carrier board for the proof of concept or production units. If the product or project has specific dimensional, I/O or connector placement requirements a custom carrier board can be created in as little as a month. Using the SoM approach, product lifecycle concerns for the processor, memory and other SoM based components are minimized.

http://www.emacinc.com/products/system_on_module/SoM-A5D35

Features

- Atmel ARM Cortex A5 536Mhz Processor
- 512 MB or LP DDR2 RAM
- 4 GB of eMMC Flash, 16MB of Serial Data Flash
- SDIO for SD/MMC Card Storage
- 10/100 BaseT Ethernet port
- 18x GPIO (3.3V) Lines
- 5x Serial ports, 2x CAN ports
- 4x channels of 12 bit A/D (DC 0 to 3.3V)
- 2x USB 2.0 High Speed Host ports, 1x USB 2.0 High Speed Host/Device port
- 1x Synchronous Serial I/O (I2S) Audio Port
- 8x PWM Channels, 4x Timer/Counters, 3x Clock Outputs
- Internal Real Time Clock/Calendar
- EMAC OE Linux

Please contact EMAC for OEM & Distributor Pricing. Quantity 1 pricing is $160.

About EMAC, Inc. - www.emacinc.com

EMAC is an acronym for Equipment Monitor and Control. Our company designs and manufactures embedded systems that include Single Board Computers, System on Modules (SoM), Carrier Boards, Industrial Panel PCs, Custom Solutions and Embedded Operating Systems.

EMAC, Inc. has over 30 years of experience selling commercial off the shelf and custom turnkey OEM embedded products that can integrate the newest technologies including: sensor data, WiFi, Zigbee, Bluetooth LE, GPS, cell modems, audio & video streaming /capture, FPGA, RFID and more.

Our team is experienced with hardware & software design, GUI interfaces, remote login, real time solutions, Windows Embedded, DOS, Embedded Linux, custom hardware drivers, application development and support. Contact the EMAC Sales Team today at 618-529-4525 or info@emacinc.com and learn how *Our Products Make Your Products Better®*