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ATSAMA5D36 processor. This low power, wide temperature ARM 536 MHZ SoM utilizes 4GB of eMMC Flash, 16MB of serial data

Designed and manufactured in the USA, the SoM-A5D36 is a System on Module (SoM) based on the Atmel ARM Cortex A5

flash, and up to 512MB of LP DDR2 RAM. Like other modules in EMAC's SoM product line, the SoM-A5D36 is designed to plug into a custom or off-the-shelf carrier board containing all the connectors and any additional I/O components that may be required. This approach allows the customer or EMAC to design a Custom Carrier Board that meets the I/O, dimensional, and connector requirements without having to worry about the processor, memory, and standard I/O functionality. With this System on Module approach, a semi-custom hardware platform can be developed in as little as a month.

http://www.emacinc.com/products/system_on_module/SoM-A5D36

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