SIB-A5D35

Low Power Embedded Server

Features

- Atmel ARM Cortex A5 ATSAMA5D35 536 MHz
- 512 MB LP DDR2 RAM, 4 GB eMMC Flash
- 16MB Serial Data Flash
- Ethernet, CAN, I2S, SPI, I2C
- 2x USB 2.0 Host, 1x USB 2.0 Device
- 24x General Purpose digital (PLD) I/O lines
- 18x Processor GPIO
- 4x Serial Ports

Specifications

Processor	Atmel ARM Cortex A5 ATSAMA5D35
	536 MHz
Memory	512MB LP DDR2
	4GB eMMC Flash
	16 MB Serial data flash
I/O	24x General Purpose digital (PLD) I/O lines
	18x 3.3V I/O lines
	I2S Audio Port Line-in and Line-out (Optional on deluxe version)
	1x CAN port
	1x 10/100 BaseT Ethernet
	3x RS232 & 1x RS232/422/485
	2x USB 2.0 High Speed Host Port
	1x USB 2.0 High Speed Device Port
	2x SPI Ports (3 SPI CS)
	2x I2C Ports
	Timer/Counters and Pulse Width Modulation (PWM) Port
	Battery for non-volitile RAM and Real Time Clock
	MMC/SD Card Socket
Analog	4x A/D Channels with 12-bit A/D Converter (0 to 2.5V)
OS	EMAC OE Embedded Linux
Dimensions	1.75" ×6.5" ×4.45" (44mm × 165mm × 113mm)
Power Req.	5 V
	Typical Running Current Consumption 500 mA
Environment	0° to + 70° C Operating Temperature (-45° - 85° C Optional)
	90% Upper Operating Humidity

Ordering Information

Product #	CPU	Memory	Serial	GPIO	USB	Analog	LAN	Temperature
SIB-A5D35-000-R	Atmel ARM Cortex A5 ATSAMA5D35 536 MHz	512MB LP DDR2 4GB eMMC Flash 16 MB Serial Data Flash	4x	24x	2x HS Host 1x HS Device	4x 12-bit A/D Channels	1x 10/100 BaseT Ethernet	0° to +70 ° C
SIB-A5D35-031-R	Atmel ARM Cortex A5 ATSAMA5D35 536 MHz	512MB LP DDR2 4GB eMMC Flash 16 MB Serial Data Flash	4x	24x	2x HS Host 1x HS Device	8x 12-bit A/D Channels, 2x 12-bit D/A, Line In/Out	1x 10/100 BaseT Ethernet	0° to +70 ° C