

CPU MODULE A51

.. a building block for cost-effective and scalable professional products



67,60mm

Microprocessor SAMA5D36 Cortex-A5 Atmel
Software Linux (Yocto/OpenWRT/Debian) and RTOS



APPLICATION AREAS:



GRAPHICS USER INTERFACE



INDUSTRIAL ETHERNET GATEWAY

A51 - Cosino Enigma

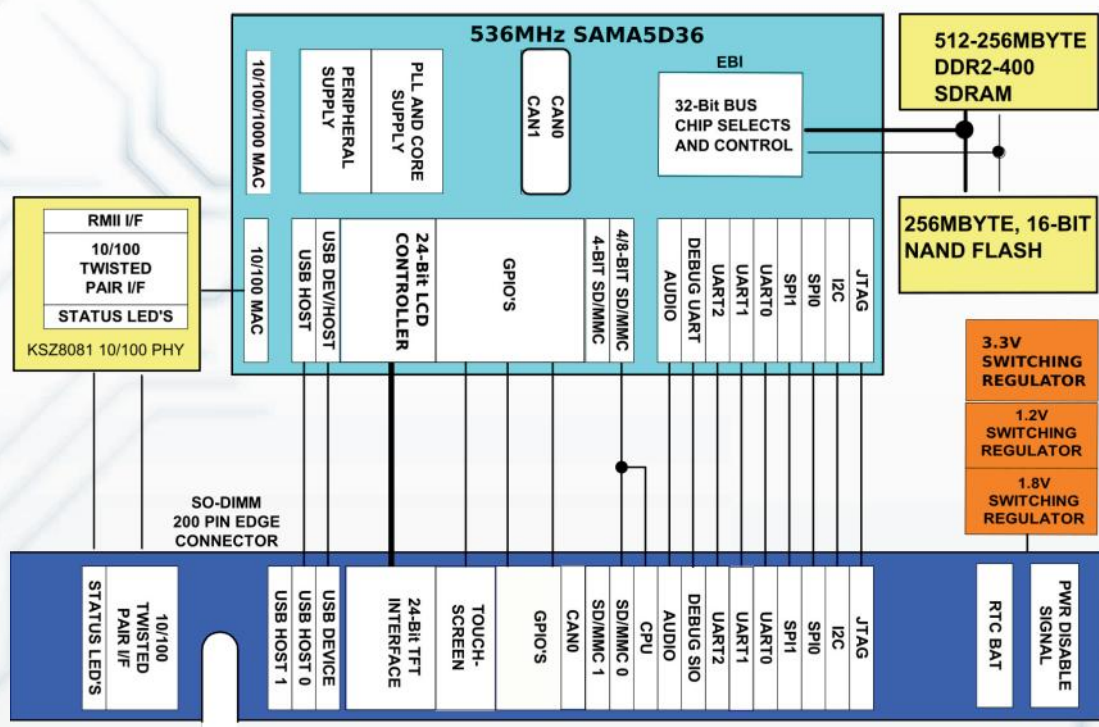
Application-ready embedded computing platform including the GNU/Linux operating system. Fully-featured SoM/CoM designed for integration into custom applications to totally satisfy system requirements.



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CPU MODULE A51



CPU	
NAME	SAMA5D36 Atmel
TYPE	Cortex-A5 Core
CLOCK	536MHz
PERIPHERALS	
SD / MMC	x2
USB	3/2 Host 0/1 Device
UART	up to 5
I2C	x 3
SPI	x 2
RTC	internal
CAN	x 2
Ethernet	10/100 Phy on board
GPIO	up to 140
DISPLAY	
24bit RGB	up SVGA 1024x768
Touch controller	4-wire resistive

MEMORIES	
RAM	up to 512MByte
FLASH	up to 1GByte
ELECTRICAL SPECIFICATION	
SUPPLY VOLTAGE	3,3V
CONSUMPTION	0,6W typ.
MECHANICAL SPECIFICATION	
DIMENSION	67,6x37mm
TEMPERATURE RANGE	
COMMERCIAL	0..70°C
INDUSTRIAL	-40..+85°C
LONGEVITY	
Available until	2024
SOFTWARE SUPPORT	
Kernel	4.9
File Systems	Yocto, OpenWRT
Special driver	On request

