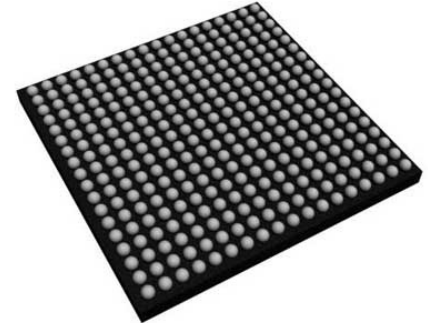


Microprocessor, ARM Cortex-A5, SAMA5D3 Series, 536 MHz, 1.08 V to 1.32 V, LFBGA-324

Manufacturers	Microchip Technology, Inc
Package/Case	LFBGA-324
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ATSAMA5D31A-CU or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The SAMA5D3 series is a high-performance, ultra-low-power ARM Cortex-A5 processor-based MPU. The Cortex-A5 runs up to 536MHz and features a 128KB L2 cache and a floating-point unit. It supports multiple memories, including DDR2 and LPDDR2. It integrates powerful peripherals for connectivity: Gigabit EMAC and/or 10/100EMAC, 3 HS USB ports, up to 2 CAN ports, up to 3 SDIO/SD/MMC, up to 7 UARTs; and for user interface applications: TFT LCD controller, touch controller, and a CMOS sensor (camera) interface. These devices offer application security functions to protect against hacking such as a hardware encryption engine supporting AES, 3DES, as well as secure Hash Algorithm (SHA) and True Random Number Generator (TRNG) and a secure boot loader. These devices come with a free main-lined Linux distribution.

Features

Low System Cost and High Value Integration:

Ultra-Low Power Consumption:

Application Security:

Extensive Ecosystem:

Related Products



[ATSAMA5D36A-CU](#)

Microchip Technology, Inc

LFBGA-324



[ATMEGA32M1-AU](#)

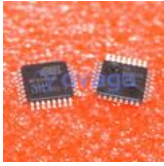
Microchip Technology, Inc

TQFP-32



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TQFP-64



[ATMEGA64M1-15AZ](#)

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[ATTINY2313V-10SU](#)

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SOIC-20



[ATMEGA16L-8PU](#)

Microchip Technology, Inc
PDIP-40



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SOT-23-6