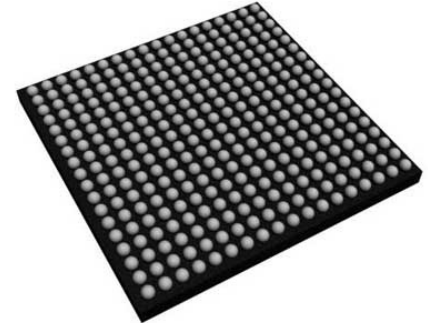


RISC Microprocessor, 536MHz, CMOS, PBGA324, 15 X 15MM, 1.4MM HEIGHT, 0.8MM PITCH, GREEN, MO-275KAAE-1, LFBGA-324

|               |                                           |
|---------------|-------------------------------------------|
| Manufacturers | <a href="#">Microchip Technology, Inc</a> |
| Package/Case  | LFBGA-324                                 |
| Product Type  | Embedded Processors & Controllers         |
| RoHS          | Green                                     |
| Lifecycle     |                                           |



Images are for reference only

Please submit RFQ for ATSAMA5D31A-CUR 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



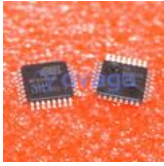
### [ATMEGA32M1-AU](#)

Microchip Technology, Inc  
TQFP-32



[ATXMEGA128D3-AU](#)

Microchip Technology, Inc  
TQFP-64



[ATMEGA64M1-15AZ](#)

Microchip Technology, Inc  
TQFP-32



[ATTINY48-MU](#)

Microchip Technology, Inc  
VQFN-32



[ATTINY2313V-10SU](#)

Microchip Technology, Inc  
SOIC-20



[ATMEGA16L-8PU](#)

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PDIP-40



[ATTINY4-TSHR](#)

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SOT-23-6