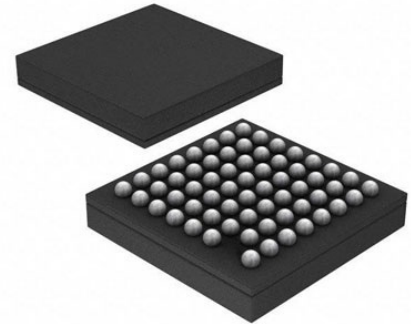


MCU 32-bit ARM926EJ-S RISC 64KB ROM 1V/1.8V/2.5V/3.3V Automotive 324-Pin TFBGA Tray

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



Images are for reference only

Please submit RFQ for AT91SAM9G45B-CU or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The Microchip's ARM®-based SAM9G45 is a 400MHz ARM926 based embedded microprocessor with DDR2 and LPDDR support, a wide range of connectivity and user interface peripherals, as well as a dual external bus interface. The multi-layer bus architecture is associated with 35 DMA channels, 64KB of SRAM that can be configured as TCM, and dual bus interface that sustains the high bandwidth required by the processor and its high-speed peripherals. The SAM9G45 integrates multiple communication interfaces such as High Speed USB host and device with transceivers, 10/100 Mbps Ethernet controller and high-speed SDIO/MMC interface. It also comes with an LCD controller supporting up to 1280x860 resolution, a resistive touchscreen controller and a camera interface. The I/Os support 3.3V. The SAM9G45 is available in a BGA324 package with 0.8mm ball pitch.

## Related Products



### [ATSAMA5D36A-CU](#)

Microchip Technology, Inc  
LFBGA-324



### [ATMEGA32M1-AU](#)

Microchip Technology, Inc  
TQFP-32



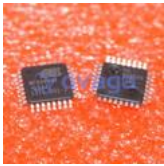
### [ATXMEGA128D3-AU](#)

Microchip Technology, Inc  
TQFP-64



### [ATTINY2313V-10SU](#)

Microchip Technology, Inc  
SOIC-20



[ATMEGA64M1-15AZ](#)

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TQFP-32



[ATMEGA16L-8PU](#)

Microchip Technology, Inc  
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[ATTINY48-MU](#)

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VQFN-32



[ATTINY4-TSHR](#)

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SOT-23-6