Ovaga

AT91SAM9G45C-CU
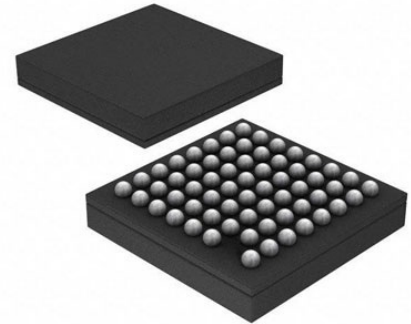
MCU, 32BIT, ARM9, 400MHZ, TFBGA-324, Architecture:ARM9, CPU Speed:400MHz, Program Memory Size:64KB, RAM Memory Size:64KB

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

Images are for reference only

Please submit RFQ for AT91SAM9G45C-CU or Email to us: sales@ovaga.com We will contact you in 12 hours.　　　RFQ

General Description

The Microchip'sARM®-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

Microchip Technology, Inc

TQFP-32

ATMEGA16L-8PU

Microchip Technology, Inc

PDIP-40

ATTINY48-MU

Microchip Technology, Inc

VQFN-32

ATTINY4-TSHR

Microchip Technology, Inc

SOT-23-6