

AVR32 32-Bit Microcontroller, Microcontrollers (MCU) 32-bit 256KB Flash

Manufacturers	Microchip Technology, Inc
Package/Case	TQFP-100
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AT32UC3A1256-AUT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The high-performance, low-power 32-bit AVR RISC-based microcontroller combines 256KB flash, 64KB SRAM, 10/100 ethernet MAC, full-speed (12 Mbps) USB 2.0 with embedded host capability, I2S, and a built-in audio D/A converter. The MCU achieves 91 Dhrystone MIPS (DMIPS) at 66 MHz while consuming only 40 mA at 3.3V. The Peripheral Direct Memory Access (PDCA) controller transfers data between peripherals and memories without processor involvement, drastically reducing processing with continuous large data streams within the MCU. The AT32UC3A1256AU is the Audio version of the AT32UC3A1256. It allows the execution of Microchip licensed Audio firmware IPs. One version is available:

AT32UC3A1256AU-AUR: TQFP100, industrial (-40°C to +85°C), reel conditioning.

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