

AVR Microcontroller, High performance, Low Power, AT32 Family AT32UC3B Series Microcontrollers

Manufacturers	Microchip Technology, Inc
Package/Case	TQFP-64
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AT32UC3B0256-A2UT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

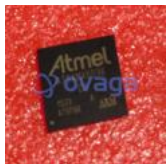
General Description

The high-performance, low-power 32-bit AVR RISC-based microcontroller combines 256KB flash memory, 32KB SRAM, full-speed (12 Mbps) USB Mini-host + device, and I2S. The MCU achieves 83 Dhrystone MIPS (DMIPS) at 60MHz and consumes only 23mA at 3.3 volts.

The microcontroller's Memory Protection Unit (MPU) and fast, flexible interrupt controller support the latest real-time operating systems. The Peripheral Direct Memory Access (PDMA) controller transfers data between peripherals and memories without processor involvement, drastically reducing processing overhead with large continuous data streams between MCU modules.

The power manager improves design flexibility and security: the on-chip brown-out detector monitors the power supply, the CPU is run by the on-chip RC oscillator or one of external oscillator sources, and the Real-Time Clock (RTC) and its associated timer track time.

Related Products



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SOT-23-6