

8 Bit MCU, Low Power High Performance, AVR ATmega Family ATmega32 Series  
Microcontrollers, 16 MHz

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	TQFP-44
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ATMEGA32-16AUR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ATmega3208 is a microcontroller featuring the 8-bit AVR® processor with hardware multiplier - running at up to 20MHz and with up to 32 KB Flash, 4 KB SRAM and 256 bytes of EEPROM in 28- and 32-pin packages. The series uses the latest Core Independent Peripherals with low power features. Including Event System, intelligent analog and advanced peripherals.

[megaAVR 0-series Overview](#)

## Features

Hardware multiplier

Three sleep modes:

Idle

Standby

Power Down

Event System

Watchdog Timer (WDT)

Power-On Reset (POR)

Brown-Out Detection (BOD)

Single pin programming and debugging interface (UPDI)

12 Channel 10-bit ADC with Voltage Reference

Analog Comparator (AC)

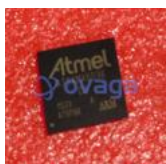
Configurable Custom Logic (CCL)

4x 16-bit Timer (TCA / TCB)

Cyclical Redundancy Check (CRC/SCAN)

SPI / I2C / USART

## Related Products



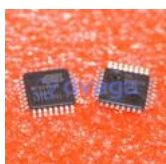
### [ATMAMA5D36A-CU](#)

Microchip Technology, Inc  
LFBGA-324



### [ATXMEGA128D3-AU](#)

Microchip Technology, Inc  
TQFP-64



### [ATMEGA64M1-15AZ](#)

Microchip Technology, Inc  
TQFP-32



### [ATMEGA32M1-AU](#)

Microchip Technology, Inc  
TQFP-32



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

Microchip Technology, Inc  
SOIC-20



### [ATMEGA16L-8PU](#)

Microchip Technology, Inc  
PDIP-40



[ATTINY48-MU](#)

Microchip Technology, Inc  
VQFN-32



[ATTINY4-TSHR](#)

Microchip Technology, Inc  
SOT-23-6