

Microcontrollers (MCU) 128K Flash 4K EEPROM 4K SRAM 53 IO Pins

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



Images are for reference only

Please submit RFQ for ATMEGA128A-MU or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Overview

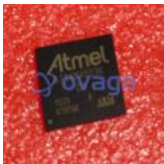
The ATmega128A is a low-power CMOS 8-bit microcontroller based on the AVR enhanced RISC architecture. By executing powerful instructions in a single clock cycle, the ATmega128A achieves throughputs approaching 1 MIPS per MHz allowing the system designer to optimize power consumption versus processing speed.

The AVR core combines a rich instruction set with 32 general purpose working registers. All the 32 registers are directly connected to the Arithmetic Logic Unit (ALU), allowing two independent registers to be accessed in one single instruction executed in one clock cycle. The resulting architecture is more code efficient while achieving throughputs up to ten times faster than conventional CISC microcontrollers.





Related Products



[ATSAMA5D36A-CU](#)

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LFBGA-324



[ATMEGA32M1-AU](#)

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TQFP-32



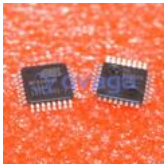
[ATXMEGA128D3-AU](#)

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[ATTINY2313V-10SU](#)

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SOT-23-6