8-bit Microcontrollers - MCU AVR 64K FLSH 4K SRAM 2KB EE 20MHZ 5V

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|---|---|
| Manufacturers | Microchip Technology, Inc |
| Package/Case | TQFP-44 |
| Product Type | Embedded Processors & Controllers |
| RoHS | Green |
| Lifecycle | |

Images are for reference only

Please submit RFQ for ATMEGA644P-A15AZ or Email to us: sales@ovaga.com We will contact you in 12 hours.          RFQ
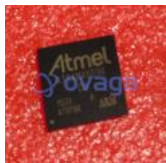
## General Description

The high-performance Microchip picoPower 8-bit AVR RISC-based microcontroller combines 64KB ISP flash memory with read-while-write capabilities, 2KB EEPROM, 4KB SRAM, 32 general purpose I/O lines, 32 general purpose working registers, a real time counter, three flexible timer/counters with compare modes and PWM, two USARTs, a byte oriented 2-wire serial interface, an 8-channel 10-bit A/D converter with optional differential input stage with programmable gain, programmable watchdog timer with internal oscillator, SPI serial port, a JTAG (IEEE 1149.1 compliant) test interface for on-chip debugging and programming, and six software selectable power saving modes. The device operates between 1.8-5.5 volts.

By executing powerful instructions in a single clock cycle, the device achieves throughputs approaching 1 MIPS per MHz, balancing power consumption and processing speed.

## 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