

Single-Cycle 8051, Industrial, Green, 2.4V-3.6V - Single-Cycle 8051, 64K ISP Flash

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



Images are for reference only

Please submit RFQ for AT89LP6440-20AU or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Single-cycle microcontroller with 64KB ISP flash. It includes 8192 bytes flash data memory, 4352 bytes RAM, PWM, UART, TWI, SPI, up to 38 I/Os, 10-bit A/D, an internal RC oscillator, and on-chip debug.

Key Features:

100% compatible with 80C51 instruction set, with on average 9 times more throughput than standard 12-clock 8051s, up to 1 MIPs per MHz.

Hardware acceleration of DSP routines like FIR/IIR filters using the 16x16+40 Multiply-Accumulate Unit and circular buffer addressing.

Enhanced PWM modes for advanced waveform generation.

Features

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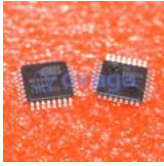
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