


MCU 8-bit 8051 CISC 2KB Flash 3.3V/5V 20-Pin SOIC W Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	SOP20
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

Low-power, high-performance CMOS 8-bit microcontroller with 2KB ISP flash memory. The device uses Microchip high-density nonvolatile memory technology and is compatible with the industry-standard MCS-51 instruction set.

An enhanced CPU core can fetch a single byte from memory every clock cycle and is capable of 20-MIPS throughput. The new CPU core runs at a much lower speed, greatly reducing power consumption.

Key Features

Compatible with MCS®51 products

0 to 24MHz Fully static operation

Two-level program memory lock

256 x 8-bit Internal RAM

15 Programmable I/O lines

Two 16-bit timers/counters

Six interrupt sources

Programmable serial UART channel

Direct LED drive outputs

On-chip analog comparator with selectable interrupt

8-bit PWM (Pulse-width modulation)

Low power idle and power-down modes

Brownout reset

Enhanced UART serial port with framing error detection and automatic address recognition

Internal power-on reset

Interrupt recovery from power-down mode

Programmable and fuseable x2 clock option

Four-level enhanced interrupt controller

Power-off flag

Flexible programming (byte and page modes)

Recommended For You

ATmega8-16PU

Microchip Technology, Inc
DIP

ATmega162-16PU

Microchip Technology, Inc
DIP40

AT91RM9200-CJ-002

Microchip Technology, Inc
BGA

AT89C2051-12PU

Microchip Technology, Inc
DIP

ATmega8515L-8PU

Microchip Technology, Inc
DIP

AT91SAM9G20B-CFU

Microchip Technology, Inc
247-TFBGA

ATtiny20-XUR

Microchip Technology, Inc
TSSOP14

AT89LS52-16PU

Microchip Technology, Inc
DIP

ATtiny12L-4SUR

Microchip Technology, Inc
SOP8

ATmega324PA-PU

Microchip Technology, Inc
PDIP

ATmega8535-16JU

Microchip Technology, Inc
PLCC44

ATtiny44A-PU

Microchip Technology, Inc
DIP

AT89C5131A-S3SUM

Microchip Technology, Inc
PLCC52

ATmega162V-8PU

Microchip Technology, Inc
DIP40

AT89C5115-SISUM

Microchip Technology, Inc
PLCC-28