

## HIGH-PERFORMANCE CHMOS MICROCONTROLLER

Manufacturers	<a href="#">Intel Corp</a>
Package/Case	PLCC-44
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for N80C251SB16 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

N80C251SB16 is a microcontroller belonging to the Intel 8051 family of microcontrollers. It is a high-performance, 16-bit microcontroller with a clock speed of up to 16 MHz. The "N80" prefix indicates that it is part of the enhanced 8051 series microcontrollers.

## Features

16-bit CPU with a 16-bit ALU (Arithmetic Logic Unit).

16 MHz maximum operating frequency.

64 kilobytes (KB) of on-chip program memory (ROM).

256 bytes of on-chip data memory (RAM).

Two 16-bit timers/counters.

Four 8-bit I/O ports.

UART (Universal Asynchronous Receiver/Transmitter) for serial communication.

SPI (Serial Peripheral Interface) for communication with peripheral devices.

I2C (Inter-Integrated Circuit) bus interface for communication with external devices.

6-channel PWM (Pulse Width Modulation) for controlling motor drives and other applications.

Interrupt system for handling external events and interrupts.

Low-power operating modes for energy efficiency.

Wide operating voltage range of 2.7V to 5.5V.

## Application

Industrial automation and control systems.

Embedded systems and IoT (Internet of Things) devices.

Motor control applications.

Consumer electronics.

Communication systems.

Automotive electronics.

Medical devices.

Security systems.





**Related Products**



[EN87C196KC20](#)

Intel Corp  
PLCC68



[AN87C196KT](#)

Intel Corp  
PLCC68



[AN87C196KD](#)

Intel Corp  
PLCC68



[N80C196KB16](#)

Intel Corp  
PLCC-68



[N80C196KR](#)

Intel Corp  
PLCC68



[TN87C196KC-20](#)

Intel Corp  
PLCC68



[N87C196MC](#)

Intel Corp  
PLCC84



[EN87C196KB16](#)

Intel Corp  
PLCC-68