

SERIAL EEPROM, 256KBIT, 400KHZ, SOIJ-8; Memory Size:256Kbit; EEPROM Memory Configuration:32K x 8bit; Clock Frequency:400kHz; IC Interface Type:I2C; Memory Case Style:SOIJ; No. of Pins:8Pins; Supply Voltage Min:2.5V; Packaging:Each ;RoHS Compliant: Yes



Images are for reference only

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SOP-8
Product Type	Memory
RoHS	
Lifecycle	

Please submit RFQ for 24LC256-I/SM or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The Microchip Technology Inc. 24LC256 is a 256Kb (32K x 8) Serial Electrically Erasable PROM (EEPROM), capable of 2.5V to 5.5V operation. It has been developed for advanced, low-power applications such as personal communications or data acquisition. This device also has a page write capability of up to 64 bytes of data. This device is capable of both random and sequential reads up to the 256K boundary. Functional address lines allow up to eight devices on the same bus, for up to 2 Mbit address space. This device is available in the standard 8-pin plastic DIP, SOIC, TSSOP, MSOP and DFN packages.

## Features

Reliable EEPROM Memory

32K x 8 (256Kbit)

Self-Timed Erase/Write Cycle

64-Byte Page Write Buffer

Page Write Time 5 ms Max.

Hardware Write-Protect Pin

Factory Programming Available

Low Power

Operating voltage 2.5V to 5.5V

Read current 400 uA, max.

Standby current 1 uA, max.

2-Wire Serial Interface, I2C™ Compatible

Cascadable up to Eight Devices

Schmitt Trigger Inputs for Noise Suppression

Output Slope Control to Eliminate Ground Bounce

100 kHz and 400 kHz Clock Compatible

ESD Protection >4000V

Pb-Free and RoHS Compliant

## Related Products



### [AT24CM02-SSHM-B](#)

Microchip Technology, Inc  
SOIC-8



### [AT24CM02-SSHD-B](#)

Microchip Technology, Inc  
SOIC-8



### [24FC512-I/SM](#)

Microchip Technology, Inc  
SOIJ-8



### [24AA512-I/SM](#)

Microchip Technology, Inc  
SOIJ-8



[AT24C512C-SSHM-T](#)

Microchip Technology, Inc  
SOIC-8



[24LC256-I/ST](#)

Microchip Technology, Inc  
TSSOP-8



[24LC32AT-I/SN](#)

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SOIC-8



[AT24C04D-MAHM-T](#)

Microchip Technology, Inc  
UDFN-8