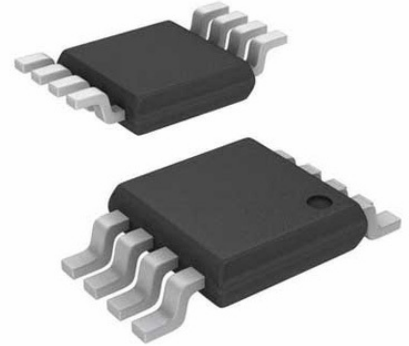


EEPROM Serial-2Wire 16K-bit 2K x 8 1.8V/2.5V/3.3V 8-Pin TSSOP T/R

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



Images are for reference only

Please submit RFQ for AT24C16D-XHM-T or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The Microchip AT24C16D is a 16 Kb Serial EEPROM utilizing an I2C (2-wire) serial interface. The device is organized as one block of 2,048 x 8 and is optimized for use in industrial and consumer applications where reliable and dependable nonvolatile memory storage is essential. The EEPROM is available in a variety of space-saving packaging options and operates from 1.7V to 3.6V.

## Features

2048 x 8 (16 Kbit)

2-Wire Serial Interface, I2C Compatible

400 kHz (1.7V) and 1 MHz (>2.5V) clock compatibility

Self-Timed Erase and Write Cycles (5 ms max.)

Low Power Consumption

Read current 0.15 mA (Typ), 0.5 mA (Max)

Write current 0.2 mA (Typ), 1 mA (Max)

Standby current 0.1 uA (Typ), 0.8 uA (Max)

Hardware Write-Protect Pin

More than 1 million erase/write cycles

Data retention > 100 years

Factory Programming Available

Available in 8-lead SOIC, 8-lead TSSOP, 8-pad UDFN, 8-lead PDIP, 5-lead SOT23, 8-ball VFBGA, and 4-ball WLCSP

## Related Products



### [AT27C010-45JU](#)

Microchip Technology, Inc  
PLCC-32



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

Microchip Technology, Inc  
SOIC-8



### [24LC32AT-I/SN](#)

Microchip Technology, Inc  
SOIC-8



### [AT28BV256-20SU](#)

Microchip Technology, Inc  
SOIC-28



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

Microchip Technology, Inc  
SOIC-8



### [AT24C512C-SSHM-T](#)

Microchip Technology, Inc  
SOIC-8



### [AT24C04D-MAHM-T](#)

Microchip Technology, Inc  
UDFN-8



### [AT28C010E-12DM/883](#)

Microchip Technology, Inc  
CERDIP-32