

EEPROM Parallel 256K-bit 32K x 8 5V 28-Pin CDIP Tube

Manufacturers [Microchip Technology, Inc](#)

Package/Case CERDIP-28

Product Type Memory

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for AT28HC256-90DM/883 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The Microchip AT28HC256 is a high-performance 256Kbit Parallel EEPROM available in both Industrial and Military temp ranges, offering access times to 70ns with power dissipation of 440mW. Deselected, CMOS standby current is less than 5mA. Accessed like static RAM for the read or write cycle without external components, it contains a 64-byte page register to allow writing of up to 64 bytes simultaneously. Features an internal Error Correction Circuit for extended endurance and improved data retention, in Military version. Optional Software Data Protection mechanism guards against inadvertent writes; and an extra 64 bytes of EEPROM enables device identification or tracking.

The AT28HC256 is also available DUAL MARKED where applicable with the appropriate Standard Military Drawing Number - 5962-886340xxx. See the datasheet for exact MIL product availability.

Features

32 Kbits x 8 (256 Kbit)

5V ± 10% Supply

Parallel Interface

AT28HC256E - High Endurance 100K Write Cycles Option

AT28HC256F - 3 ms Fast Write Option

70ns access time

Self-Timed Erase and Write Cycles (10 ms max)

Page Write and Byte Write

Data Polling for end of write detection

Low Power Consumption

Read / Write current 80 mA (Max)

Standby current TTL 3 mA (Max), CMOS 300 µA (Max)

Write-Protection

Hardware Protection

Software Data Protect

Data retention > 10 years

Temperature Ranges

Standard Temperature Range: -40°C to 85°C

Military Temperature Range: -55°C to 125°C

Available in Green (Pb/Halide-free) Packaging

32-lead, Plastic J-leaded Chip Carrier (PLCC)

28-lead, 0.300" Wide, Plastic Gull Wing Small Outline (SOIC)

28-lead, Plastic Thin Small Outline Package (TSOP)

Available in Dual marked (5962-886340xxx) CERAMIC Hermetic Packaging

28-Lead, 0.600" Wide, Non-Windowed, Ceramic Dual Inline (Cerdip)

28-Lead, Non-Windowed, Ceramic Bottom-Brazed Flat Package (Flatpack)

32-Pad, Non-windowed, Ceramic, Leadless Chip Carrier (LCC)





Related Products



[AT27C010-45JU](#)

Microchip Technology, Inc
PLCC-32



[AT24CM02-SSHM-B](#)

Microchip Technology, Inc
SOIC-8



[AT24CM02-SSHD-B](#)

Microchip Technology, Inc
SOIC-8



[AT24C512C-SSHM-T](#)

Microchip Technology, Inc
SOIC-8



[24LC32AT-I/SN](#)

Microchip Technology, Inc
SOIC-8



[AT24C04D-MAHM-T](#)

Microchip Technology, Inc
UDFN-8



[AT28BV256-20SU](#)

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SOIC-28



[AT28C010E-12DM/883](#)

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CERDIP-32