

EEPROM Serial-I2C 256K-bit 32K x 8 1.8V/2.5V/3.3V/5V 8-Pin WLCSP T/R



Images are for reference only

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: WLCSP-8

Product Type: Memory

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

[Inquiry](#)

General Description

The M24256-BW can operate with a supply voltage from 2.5 V to 5.5 V, the M24256-BR and M24256-DR can operate with a supply voltage from 1.8 V to 5.5 V, and the M24256-BF and M24256-DF can operate with a supply voltage from 1.7 V to 5.5 V. All these devices operate with a clock frequency of 1 MHz (or less), over an ambient temperature range of -40°C / $+85^{\circ}\text{C}$.

Key Features

Compatible with all I2C bus modes:

1MHz

400kHz

100kHz

Memory array:

256Kbit (32Kbyte) of EEPROM

Page size: 64byte

Additional write lockable page (M24256-D order codes)

Single supply voltage and high speed:

1MHz clock from 1.7V to 5.5V

Write:

Byte write within 5ms

Page write within 5ms

Operating temperature range:

from -40°C to $+85^{\circ}\text{C}$

Random and sequential read modes

Recommended For You

M24C08-RMN6TP

STMicroelectronics, Inc
SOP8

M24C08-WMN6TP

STMicroelectronics, Inc
SOP8

M27C64A-15F1

STMicroelectronics, Inc
DIP

M24C08-WDW6TP

STMicroelectronics, Inc
TSSOP8

M24C02-RMN6P

STMicroelectronics, Inc
SOP-8

M27C1001-10F1

STMicroelectronics, Inc
CDIP32

M27C1001-12F6

STMicroelectronics, Inc
DIP

M27C64A-20F1

STMicroelectronics, Inc
DIP

M27C512-15F1

STMicroelectronics, Inc
CDIP

M24C02-RMN6TP

STMicroelectronics, Inc
SOP-8

M27C1001-70F1

STMicroelectronics, Inc
DIP

M24C32-WMN6TP

STMicroelectronics, Inc
SOP-8

M27C512-90B6

STMicroelectronics, Inc
DIP28

M27C4001-90C6

STMicroelectronics, Inc
PLCC-32

M27C1001-70C1

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PLCC32