


**NOR Flash Serial (SPI, Dual SPI) 2.5V/3V/3.3V 4M-bit 512K x 8  
8ns 8-Pin SOIC T/R**



Images are for reference only

<b>Manufacturer:</b>	<a href="#">Winbond Electronics Corporation America</a>
<b>Package/Case:</b>	SOP8
<b>Product Type:</b>	Memory
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active

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## General Description

The W25X40CLSNIG TR is a low-power serial flash memory with a storage capacity of 4 megabits (M-bit), which is equivalent to 512 kilobytes (KB) or 64 kilobytes (KB) depending on whether the data is addressed in bytes or words. It is designed for applications that require non-volatile memory storage with a Serial Peripheral Interface (SPI) for easy interfacing with microcontrollers or other host systems.

## Key Features

**Memory Capacity:** The "4M-bit" in the part number indicates that the flash memory has a capacity of 4 megabits (M-bit). It can store up to 512 kilobytes (KB) of data.

**SPI Interface:** The W25X40CLSNIG TR communicates with the microcontroller or host system using the Serial Peripheral Interface (SPI) protocol, which provides easy and efficient data transfer.

**Low Power Consumption:** The flash memory operates with low power consumption, making it suitable for battery-powered or energy-efficient devices.

**High-Speed Read and Write Operations:** It offers fast read and write access times, making it suitable for applications that require frequent data updates or fast data retrieval.

**Non-Volatile Memory:** Flash memory is non-volatile, meaning it retains data even when the power is turned off.

**Compact Form Factor:** The IC is available in a small and surface-mount SOIC-8 package, which is common for serial flash memories.

## Application

Embedded Systems

Consumer Electronics

Industrial Automation

Automotive Electronics

Communication Systems

## Recommended For You

### W25X40CLSNIG

Winbond Electronics Corporation America

SOP8

### W25Q16JVSSIQ

Winbond Electronics Corporation America

SOP8

### W25Q32JVZPIQ

Winbond Electronics Corporation America

WSO8

**W25Q128JVSIM**

Winbond Electronics Corporation America  
SOP8

**W25Q64JVSSIM TR**

Winbond Electronics Corporation America  
SOP8

**W25Q20EWSNIG**

Winbond Electronics Corporation America  
SOP8

**W25Q32JVSFIQ**

Winbond Electronics Corporation America  
SOP-16

**W25Q40CLSNIQ**

Winbond Electronics Corporation America  
SOP8

**W25Q128JVPIQ TR**

Winbond Electronics Corporation America  
8-WDFN

**W25Q80EWSNIG**

Winbond Electronics Corporation America  
SOP8

**W25Q256JVFIQ**

Winbond Electronics Corporation America  
SOP16

**W25Q128JVEIQ**

Winbond Electronics Corporation America  
WSON8

**W25Q16JVSNIQ TR**

Winbond Electronics Corporation America  
SOP8

**W25Q80DVZPIQ**

Winbond Electronics Corporation America  
WSON8

**W25Q40EWSNIG**

Winbond Electronics Corporation America  
SOP8