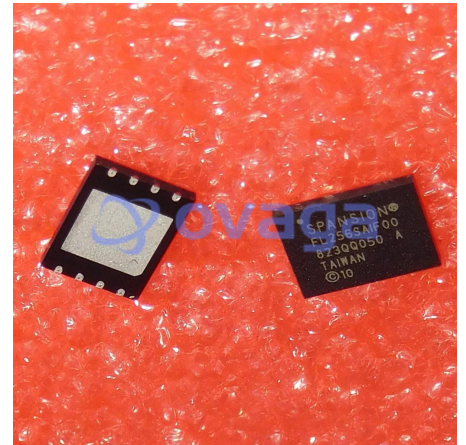


Flash Memory, MirrorBit Eclipse Architecture, Serial NOR, 256 Mbit, 32M x 8bit, SPI, WSON, 8 Pins

Manufacturers	Infineon Technologies Corporation
Package/Case	WSON-8
Product Type	Memory
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for S25FL256SAGNFI003 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The S25FL256SAGNFI003 is a high-performance, non-volatile memory device that provides reliable and fast read and write operations. It is based on NOR Flash technology and uses the Serial Peripheral Interface (SPI) for communication with the host system.

Features

Organization: The S25FL256SAGNFI003 is organized as 32,768 pages of 256 bytes each, offering a total of 256 megabits (32 megabytes) of storage capacity.

SPI Interface: It uses a 4-wire SPI interface for communication with the host system, allowing for easy integration into various microcontroller-based systems.

Voltage Range: The device operates with a supply voltage range from 2.7V to 3.6V, making it compatible with a wide range of system designs.

High-Speed Performance: The device supports fast serial read access and efficient programming operations, enabling quick and reliable data transfer.

Sector Erase and Block Erase: It provides flexible erase operations at both the sector and block level, allowing efficient management of data storage.

Data Protection: The S25FL256SAGNFI003 offers various hardware and software protection features, including sector protection and block locking, to prevent unintended modification of data.

Reliable Performance: The device ensures high reliability with a minimum of 100,000 erase/program cycles and data retention of at least 20 years.

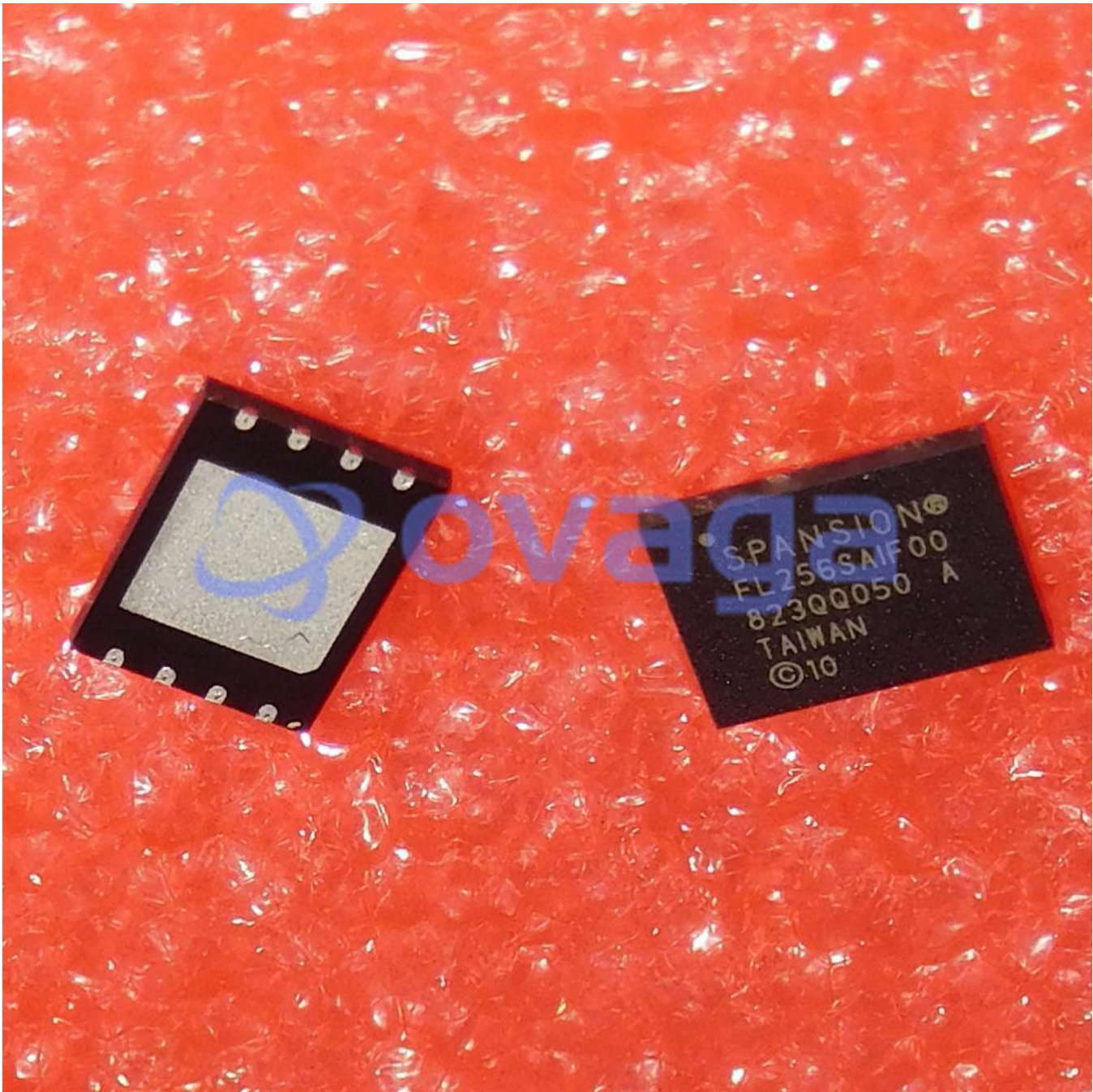
Application

Embedded Systems: It is suitable for storing firmware, boot code, and other critical data in microcontroller-based systems and embedded devices.

Industrial Automation: The device is used in industrial control systems, robotics, and automation equipment for program storage and data storage requirements.

Networking and Communication: The SPI NOR Flash memory is utilized in networking devices, routers, switches, and telecommunications equipment for firmware storage and data storage.

Consumer Electronics: It finds applications in consumer electronics devices such as set-top boxes, digital televisions, gaming consoles, and audio/video equipment for program storage and data storage.



Related Products



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