

Memory, IC FLASH 64MBIT 108MHZ 8WSON

Manufacturers [Infineon Technologies Corporation](#)

Package/Case 8-WDFN Exposed Pad

Product Type Memory

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for S25FL164K0XNFI011 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The "s25fl164k0xnfi011" is a serial flash memory chip that provides non-volatile storage for digital data. It uses the Serial Peripheral Interface (SPI) protocol to communicate with a microcontroller or other devices.

Features

Memory Capacity: This flash memory chip has a capacity of 16 megabits (Mb), which is equivalent to 2 megabytes (MB) of data storage.

SPI Interface: It uses the SPI protocol for communication, providing a simple and efficient means of transferring data between the memory chip and other devices.

High Performance: The flash memory chip offers high-speed read and write operations, allowing for quick access to stored data.

Low Power Consumption: It is designed to operate with low power consumption, making it suitable for battery-powered devices and other power-sensitive applications.

Sector Architecture: The memory is organized into sectors, allowing for efficient read, write, and erase operations at the sector level.

Multiple Erase Modes: The chip supports various erase modes, including sector erase, block erase, and chip erase, providing flexibility in managing stored data.

Advanced Security Features: The chip incorporates security features such as hardware-based data protection, read/write protection, and security registers for enhanced data security.

Application

Embedded Systems: The flash memory chip is commonly used in embedded systems and microcontroller-based applications to store firmware, program code, configuration data, and other digital content.

Consumer Electronics: It finds applications in various consumer electronic devices such as digital cameras, set-top boxes, gaming consoles, and smart TVs for data storage and firmware updates.

Industrial Automation: The flash memory chip is used in industrial automation systems, including PLCs (Programmable Logic Controllers), HMI (Human Machine Interface) devices, and data loggers.

Automotive Electronics: It is suitable for automotive applications such as instrument clusters, infotainment systems, telematics, and ECU (Engine Control Unit) firmware storage.

Internet of Things (IoT): The chip is used in IoT devices for storing configuration data, sensor data, and firmware updates.

Related Products



[S29GL064S70TFI040](#)

Infineon Technologies Corporation
Tube



[S29GL01GS10TFI010](#)

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TSOP-56



[S29GL512S11TFI020](#)

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[S29GL256P11TFI010](#)

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[S29GL128S10TFIV20](#)

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[S29GL01GT10TFI010](#)

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56-TFSOP (0.724\", 18.40mm Width)



[S29GL064S70TFI020](#)

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56-TFSOP (0.724\", 18.40mm Width)