

3.0 Volt-only Page Mode Flash Memory featuring 90 nm MirrorBit Process Technology,Flash 3V 512Mb Mirrorbit lowest address100ns

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	TSOP-56
Product Type	Memory
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for S29GL512P11TFI020 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The S29GL512P11TFI020 is a high-performance, non-volatile memory device that provides reliable and fast read and write operations. It is based on NOR Flash technology, which allows random access to data stored in the memory array.

## Features

**Organization:** The S29GL512P11TFI020 is organized as 64 sectors of 128K bytes each, offering a total of 8 megabytes of storage capacity.

**Voltage Range:** It 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 random read access and burst program operations, enabling efficient data transfer and programming.

**Erase Suspend/Erase Resume:** It provides the capability to suspend an erase operation temporarily and resume it later, allowing flexibility in programming and erase operations.

**Unlock Bypass Program:** The device supports a program command that bypasses the need for a separate unlock command, simplifying the programming process.

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

**Reliable Performance:** The S29GL512P11TFI020 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.

**Automotive Electronics:** The device finds applications in automotive systems such as engine control units, infotainment systems, and instrument clusters for program storage and data storage.

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

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

## Related Products



### [S29GL064S70TFI040](#)

Infineon Technologies Corporation  
Tube



### [S29GL01GS10TFI010](#)

Infineon Technologies Corporation  
TSOP-56



### [S29GL512S11TFI020](#)

Infineon Technologies Corporation  
TSSOP-56



### [S29GL256P11TFI010](#)

Infineon Technologies Corporation  
TSOP-56



### [S29GL128S90TFI010](#)

Infineon Technologies Corporation  
TSOP-56



### [S29GL128S10TFIV20](#)

Infineon Technologies Corporation  
TSOP-56



### [S29GL01GT10TFI010](#)

Infineon Technologies Corporation  
56-TFSOP (0.724", 18.40mm Width)



### [S29GL064S70TFI020](#)

Infineon Technologies Corporation  
56-TFSOP (0.724", 18.40mm Width)