

Datasheet

SD Card

V0 Series 2D SLC Model

- Supports UHS-I Interface
- Highly reliable PLP with our in-house firmware
- 2D NAND implemented
- -25 °C to 85°C Operating Temperature
- Capacities from 512MB to 32GB



Nextorage V0 Series is a high performing SD Card with extremely reliable PLP (Power Loss Protection) technology. Its durability is accomplishable because of our in-house firmware implementation. Our SD Card is suitable for control units of embedded systems, edge computing and IoT devices, which require industrial grade quality. It can be also utilized for boot drive as well as data logging and storage.

Support Available for Industrial Grade Embedded Devices

**Fixed BOM
for major
components**

**Fixed
Firmware**

**Failure
Analysis
Report**

**Technical
Support**

Product Specification

Model Name	NV0FSA0000G512M	NV0FSA0000G001G	NV0FSA0000G002G
Capacity	512MB	1GB	2GB
Interface	SD		
SD Version	2.00		
Speed Class	-	-	-
Bus mode	Default speed (DS) / Hi speed (HS)		
Flash Type	2D SLC		
Seq. R/W*1	20 / 18MB/s	21.7 / 3.4MB/s	21.7 / 3.2MB/s
Operation Temp.	-25°C to 85°C		
Storage Temp.	-40°C to 85°C		
Dimensions	32mm x 24mm x 2.1mm (L x W x H)		
SPQ*2	TBD	128pcs	

Model Name	NV0FSA1000G004G	NV0FSA1000G008G	NV0FSA1000G016G	NV0FSA1000G032G
Capacity	4GB	8GB	16GB	32GB
Interface	SDHC			
SD Version	3.01	4.20		
Speed Class	Class10			
Bus mode	Default speed (DS) / Hi speed (HS) / UHS-I			
Flash Type	2D SLC			
Seq. R/W*1	98.1 / 40.7MB/s	98.1 / 77.8MB/s	97.9 / 78.8MB/s	98 / 83.3MB/s
Operation Temp.	-25°C to 85°C			
Storage Temp.	-40°C to 85°C			
Dimensions	32mm x 24mm x 2.1mm (L x W x H)			
SPQ*2	128pcs			

*1 The performance was measured using CrystalDiskMark v6.0.2x64 with SD Memory Card writer MRW-S1.

Performance may differ depending on the flash configuration and platform.

*2 Standard Packing Quantity = Unit of Purchase

Contact

Nextorage Corporation

Kawasaki-eki-mae Tower Riverk 9F, Ekimaehoncho 12-1, Kawasaki-ku, Kawasaki City, Kanagawa 210-0007, Japan

gp-b2b-inquiry@nextorage.jp

<https://www.nextorage.net/>

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