

Datasheet

microSD Card

Y1 Series 2D SLC Model

- Supports UHS-I Interface
- Highly reliable PLP; suitable for industrial grade embedded systems
- Highly Reliable 2D NAND SLC implemented
- -25°C to 85°C wide-range Operation Temp.
- Capacities supported as small as 512MB



Nextorage Y1 Series is a SD Card with SLC NAND implementation. It comes with extremely reliable PLP (Power Loss Protection) technology and wide-range operation temperature. 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	NY1MSA0000G512M	NY1MSA0000G001G	NY1MSA0000G002G
Capacity	512MB	1GB	2GB
Interface	SD		
SD Version	3.01		
Speed Class	Class 6		
Bus mode	Default speed (DS) / Hi speed (HS)		
Flash Type	2D SLC		
Seq. R/W*1	23 / 16MB/s	23 / 22MB/s	23 / 22MB/s
Operation Temp.	-25°C to 85°C		
Storage Temp.	-40°C to 85°C		
Dimensions	15mm x 11mm x 1mm (L x W x H)		
SPQ*2	600pcs		

Model Name	NY1MSA0000G004G
Capacity	4GB
Interface	SDHC
SD Version	3.01
Speed Class	Class10
Bus mode	Default speed (DS) / Hi speed (HS)
Flash Type	2D SLC
Seq. R/W*1	67 / 51MB/s
Operation Temp.	-25°C to 85°C
Storage Temp.	-40°C to 85°C
Dimensions	15mm x 11mm x 1mm (L x W x H)
SPQ*2	600pc

*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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