

Datasheet

M.2 2242 SATA SSD

A1 Series 3D TLC Model

- Supports SATA 6Gbps
- Highly reliable PLP; suitable for industrial grade embedded systems
- 3D TLC NAND implemented
- RAID ECC equipped
- -40°C to 85°C wide-range Operation Temp.
- Supports S.M.A.R.T. and TRIM Command



Nextorage A1 Series is a SATA SSD which comes with extremely reliable PLP (Power Loss Protection) technology and wide-range operation temperature. It is suitable for control units of embedded systems, edge computing, boot drive, data storage and much more.

Support Available for Industrial Grade Embedded Devices

**Fixed BOM
for major
components**

**Fixed
Firmware**

**Failure
Analysis
Report**

**Technical
Support**

Product Specification

Model Name	NA1M1M0000D032G	NA1M1M0000D064G	NA1M1M0000D128G
Capacity	32GB	64GB	128GB
Number of sectors	62,533,296	125,045,424	250,069,680
Interface	Compatible with SATA 1.5Gbps, 3Gbps, and 6Gbps		
Flash Type	3D TLC		
Seq. R/W*1	300 / 125 MB/s	550 / 230 MB/s	550 / 400 MB/s
Rnd. R/W*2	19 / 31 KIOPS	36 / 58.8 KIOPS	60.5 / 77 KIOPS
Average Power Consumption (Max)	980mW	1365mW	1395mW
Operation Temp.	-40°C to 85°C		
Storage Temp.	-40°C to 85°C		
Dimensions	42mm x 22mm x 2.3mm (L x W x H)		
SPQ*3	100pcs		

*1 The performance was measured using CrystalDiskMark v5.0.2x64 with SATA 6Gbps host.

*2 Measured under Iometer Range 1GB, data size 4KB, QD=32, and Thread=8

Performance may differ depending on the flash configuration and platform.

*3 Standard Packing Quantity = Unit of Purchase

Contact

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