

Datasheet

2.5 Inch SATA SSD

A2 Series 3D TLC Model

- Supports SATA 6Gbps
- Highly reliable PLP with our in-house firmware
- High Performance with DRAM mounts
- 3D TLC NAND implemented
- RAID ECC equipped
- Aluminum Case enclosure
- Supports S.M.A.R.T. and TRIM Command



Nextorage A2 Series is a high performing SATA SSD with extremely reliable PLP (Power Loss Protection) technology. Its durability is accomplishable because of our in-house firmware implementation. A2 Series is suitable for embedded PCs, edge computing, security cameras, boot drive such as video editing devices, and as a reliable data storage.

Support Available for Industrial Grade Embedded Devices

**Fixed BOM
for major
components**

**Fixed
Firmware**

**Failure
Analysis
Report**

**Technical
Support**

Product Specification

Model Name	NA22HE0000C120G	NA22HE0000C240G	NA22HE0000C480G
Capacity	120GB	240GB	480GB
Number of sectors	234,441,648	468,862,128	937,703,088
Interface	Compatible with SATA 1.5Gbps, 3Gbps, and 6Gbps		
Flash Type	3D TLC		
Seq. R/W*1	430/170 MB/s	560/540 MB/s	560/540 MB/s
Rnd. R/W*2	46 / 18 KIPOS	79 / 49 KIPOS	76 / 53 KIPOS
Average Power Consumption (Max)	1800mW	1950mW	2550mW
Operation Temp.	0°C to 70°C		
Storage Temp.	-40°C to 85°C		
Dimensions	100mm x 70mm x 7mm (L x W x H)		
SPQ*3	100pcs		

Model Name	NA22HE0000CA01T	NA22HE0000CA02T
Capacity	960GB	1920GB
Number of sectors	1,875,385,008	3,750,748,848
Interface	Compatible with SATA 1.5Gbps, 3Gbps, and 6Gbps	
Flash Type	3D TLC	
Seq. R/W*1	560/540 MB/s	560/540 MB/s
Rnd. R/W*2	84K / 78KIPOS	87K / 90KIPOS
Average Power Consumption (Max)	2800mW	2800mW
Operation Temp.	Compatible with SATA 1.5Gbps, 3Gbps, and 6Gbps	
Storage Temp.	-40°C to 85°C	
Dimensions	100mm x 70mm x 7mm (L x W x H)	
SPQ*3	100pcs	

*1 The performance was measured using CrystalDiskMark v6.0.2x64 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

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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