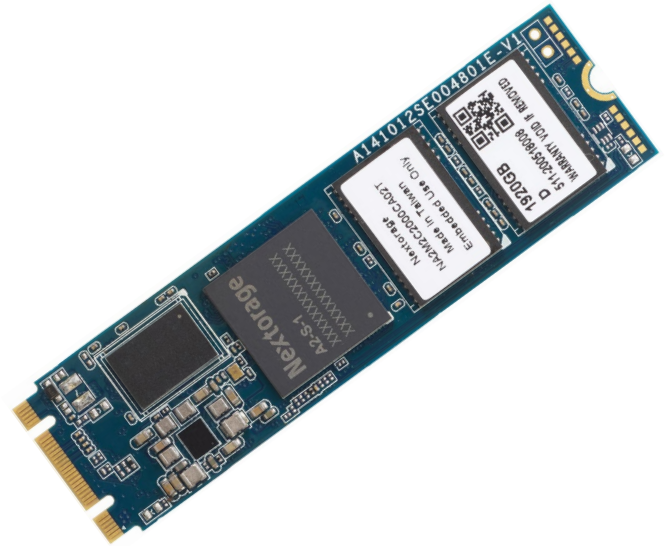# Nextorage

Datasheet

M.2 2280 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**

- **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	NA2M2E0000C120G	NA2M2E0000C240G	NA2M2E0000C480G
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 / 160 MB/s	560 / 530 MB/s	560 / 530 MB/s
Rnd. R/W*2			
Average Power Consumption (Max)	1700mW	1950mW	2500mW
Operation Temp.	0℃ to 70℃		
Storage Temp.	-40℃ to 85℃		
Dimensions	80mm x 22mm x 3.5mm (L x W x H)		
SPQ*3	100pcs		

Model Name	NA2M2E0000CA01T	NA2M2E0000CA02T
Capacity	960GB	1920GB
Number of sectors	1,875,385,008	3,750,748,848
Interface	Compatible with SATA 1.5Gbps、3Gbps、6Gbps	
Flash Type	3D TLC	
Seq. R/W*1	560 / 530 MB/s	560 / 530 MB/s
Rnd. R/W*2	69 / 78 KIPOS	
Average Power Consumption (Max)	2700mW	2700mW
Operation Temp.	0℃ to 70℃	
Storage Temp.	-40℃ to 85℃	
Dimensions	80mm x 22mm x 3.5mm (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