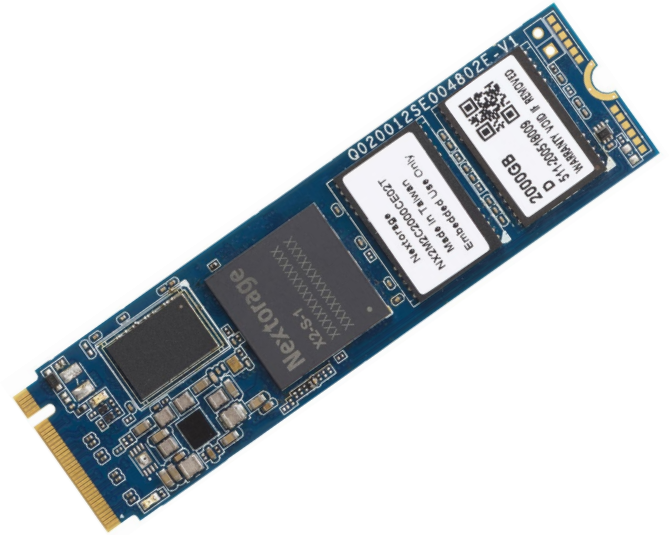


Datasheet

M.2 2280 PCIe SSD

X2 Series 3D TLC Model

- Supports PCIe Gen3x4 / NVMe
- 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 X2 Series is a high performing PCIe SSD with extremely reliable PLP (Power Loss Protection) technology. Its durability is accomplishable because of our in-house firmware implementation. X2 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 Systems

Fixed BOM
for major
components

**Fixed
Firmware**

**Failure
Analysis
Report**

**Technical
Support**

Product Specification

Model Name	NX2M2E0000C240G	NX2M2E0000C480G
Capacity	240GB	480GB
Number of sectors	468,862,128	937,703,088
Interface	PCIe Gen3x4 / Compliant with NVMe 1.3d	
Flash Type	3D TLC	
Seq. R/W*1	2000 / 1100 MB/s	3450 / 2200 MB/s
Rnd. R/W*2	62 / 50 KIPOS	123 / 96 KIPOS
Average Power Consumption (Max)	2900mW	4500mW
Operation Temp.	0°C to 70°C	
Storage Temp.	-40°C to 85°C	
Dimensions	80mm x 22mm x 2.3mm (L x W x H)	
SPQ*3	100pcs	

Model Name	NX2M2E0000CA01T	NX2M2E0000CA02T
Capacity	960GB	1920GB
Number of sectors	1,875,385,008	3,750,748,848
Interface	PCIe Gen3x4 / Compliant with NVMe 1.3d	
Flash Type	3D TLC	
Seq. R/W*1	3450 / 3100 MB/s	3450 / 3250 MB/s
Rnd. R/W*2	244 / 200 KIPOS	328 / 333 KIPOS
Average Power Consumption (Max)	4800mW	5700mW
Operation Temp.	0°C to 70°C	
Storage Temp.	-40°C to 85°C	
Dimensions	80mm x 22mm x 3.5mm (L x W x H)	
SPQ*3	100pcs	

*1 The performance was measured using CrystalDiskMark 6.0, QD32T1, 1GB range.

*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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