

Datasheet

U.2 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
- Aluminum Case enclosure
- 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	NX22HE0000C480G	NX22HE0000CA01T
Capacity	480GB	960GB
Number of sectors	937,703,088	1,875,385,008
Interface	PCIe Gen3x4 / Compliant with NVMe 1.3d	
Flash Type	3D TLC	
Seq. R/W*1	3450 / 2200 MB/s	3450 / 3100 MB/s
Rnd. R/W*2	123 / 96 KIPOS	244 / 200 KIPOS
Average Power Consumption (Max)	4300mW	4400mW
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	NX22HE0000CA02T	NA22HE0000CA04T
Capacity	1920GB	3840GB
Number of sectors	3,750,748,848	7,501,476,528
Interface	PCIe Gen3x4 / Compliant with NVMe 1.3d	
Flash Type	3D TLC	
Seq. R/W*1	3450 / 3250 MB/s	TBD
Rnd. R/W*2	328 / 333 KIPOS	TBD
Average Power Consumption (Max)	6100mW	TBD
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	

*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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