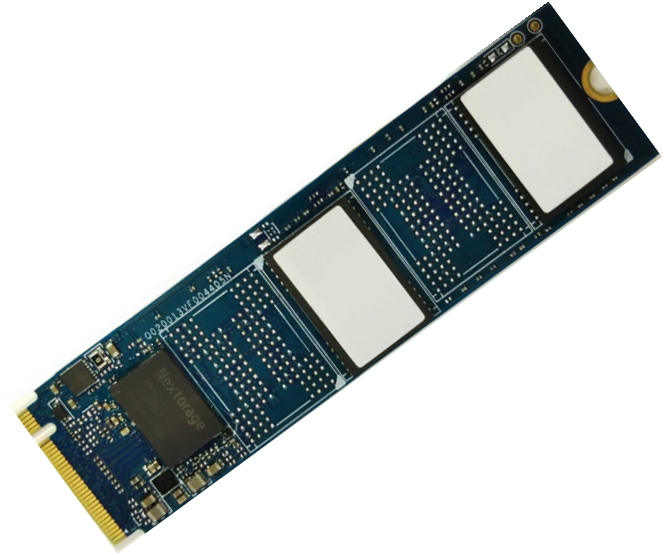


Datasheet

M.2 2280 PCIe SSD

E3 Series 3D TLC Model

- Supports PCIe Gen3x4 / NVMe
- Highly reliable PLP; suitable for industrial grade embedded systems
- 3D TLC NAND implemented
- RAID ECC equipped
- Supports S.M.A.R.T. and TRIM Command



Nextorage E3 Series is a PCIe SSD which comes with extremely reliable PLP (Power Loss Protection) technology and supports high-speed interface. E3 Series is mainly designed for industrial use. It is suitable for control units of embedded systems, edge computing, boot drive, data storage and much more.

Support Available for Industrial Grade Embedded Systems

**Fixed BOM
for major
components**

**Fixed
Firmware**

**Failure
Analysis
Report**

**Technical
Support**

Product Specification

Model Name	NE3M2E0000S120G	NE3M2E0000S240G
Capacity	120GB	240GB
Number of sectors	234,441,648	468,862,128
Interface	PCIe Gen3x4 / Compliant with NVMe 1.3d	
Flash Type	3D TLC	
Seq. R/W*1	1100 / 540 MB/s	2300 / 1100 MB/s
Rnd. R/W*2	110 / 90 KIPOS	150 / 230 KIPOS
Average Power Consumption (Max)	2300mW	3000mW
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	NE3M2E0000S480G	NE3M2E0000SA01T
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	2400 / 1700 MB/s	2450 / 1850 MB/s
Rnd. R/W*2	210 / 380 KIPOS	250 / 400 KIOPS
Average Power Consumption (Max)	3100mW	3300mW
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	

*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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