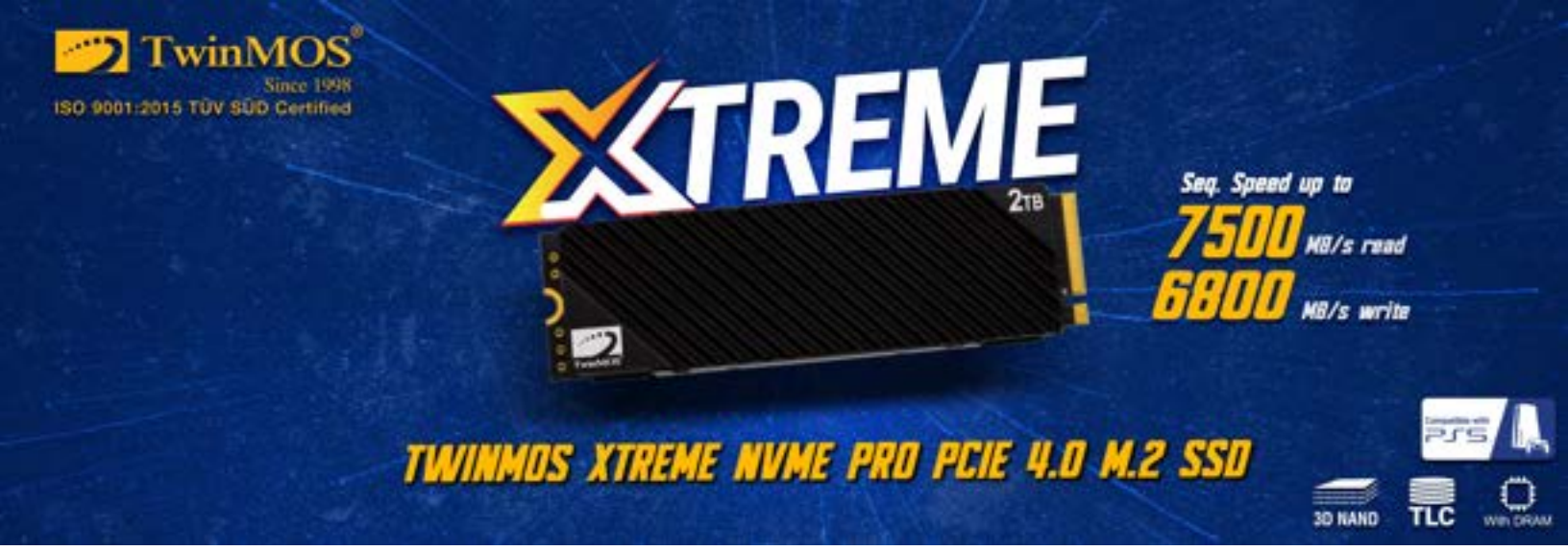
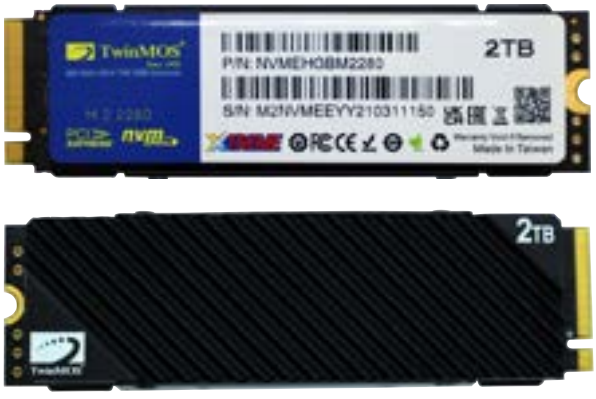


Description

The TwinMOS XTREME NVMe M.2 SSD uses Gen4 X4 PCIe technology with blazing fast sequential read speeds of up to 7,500MB/s and sequential write speeds of up to 6,800MB/s. High-density 3D TLC NAND flash memory provides an ideal mix of performance, endurance, and value, with longevity up to 1200TB Written. Contained in an industry-standard M.2 2280 form factor and connecting using a high-speed NVMe PCIe Gen4 x4 M.2 interface, the XTREME NVMe is easy to install into a compatible motherboard and is backed by a Three-year warranty. If you're looking for extreme storage performance, go with Gen4 for blazing fast speed.



Specification

- Model: XTREME (for capacity 2TB)
- Sequential Read Speed (MB/s) : Up to 7500 Mb/s
- Sequential Write Speed (MB/s) : Up to 6800 Mb/s
- Form Factor : M.2 2280
- Interface/ Protocol : PCIe Gen 4.0 x 4/ NVMe
- NAND Type : TLC 3D NAND
- NAND Flash Brand : Micron/ Hynix/ Samsung
- SSD Controller Brand : Innogrit
- Voltage : 3.3V
- MTBF : 1.5 Million hours
- Bridge Controller MTBF : >1,500,000 hours
- Shock Resistance: 1500G/0.5ms
- Dimensions (LxWxH): 80x22x3 mm (without heatsink) 80x23x9 (with heatsink)
- Weight: 7g
- Low density parity check (LDPC)
- Failed Blocks of Flash will be replaced with new ones by the SSD.
- Has DRAM Cache
- Cache size: 2GB
- Smart: Yes
- TRIM: Yes
- Certification: ROHS
- Warranty: 3 Years

Ordering Information

EAN CODE	PART #	CAPACITY
6291104607743	NV1TBG42280	1TB
6291104607514	NV2TBG42280	2TB

Performance

CAPACITY	Sequential Read Speed Up to (MB/s)	Sequential Write Speed Up to (MB/s)	4k Random read IOPS (Max.)	4K Random write IOPS (Max)	Endurance (TBW Max Capacity)
1TB	7500 MB/s	6800 Mb/s	260K	270K	600TBW
2TB	7500 Mb/s	6800 Mb/s	260K	270K	1200TBW

[1] 1GB=1,000,000,000 Bytes. In OS system, it would be displayed as 1,000,000,000 Bytes/1024/1024/1024 = 0.93 GB
[2] Definition and conditions of TBW (Terabytes Written) are based on JEDEC standard
[3] Transmission speed will vary according to different hardware/software conditions, therefore the data can only use for basic reference.
● We reserve the right to modify product specifications without prior notice. Different devices may have a different best format for usage. It is recommended to format the device before use to ensure the correctness and the integrity of the SSD.

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