

XTREME



Seq. Speed up to
7500 MB/s read
6800 MB/s write

TWINMOS XTREME NVME PRO PCIe 4.0 M.2 SSD



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: 5 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.