TwinMOS®
Since 1998

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Read Up to 14000MB/s

Write Up to 10000MB/s

CoreX Pro

M.2 PCIe Gen 5.0 NVMe SSD

With DRAM | 3D NAND | TLC

Description

The TwinMOS CoreX Pro PCIe Gen 5.0 NVMe SSD sets a new benchmark for ultra-fast computing, offering blazing sequential read/write speeds and top-tier reliability. Built on next-generation PCIe Gen 5x4 NVMe architecture, the CoreX Pro is engineered for extreme performance, making it ideal for gamers, content creators, and power users who demand speed without compromise.

Specification

- **Model:** TwinMOS CoreX Pro
- **Interface:** PCIe® Gen5X4, NVMe™ 2.0
- **Form Factor:** M.2 2280
- **Sequential Read Speed:** Up to 14,000 MB/s
- **Sequential Write Speed:** Up to 10,000 MB/s
- **NAND Flash Type:** 3D TLC NAND
- **Cache:** Built-in DRAM Cache
- **Heatsink:** Integrated Graphene heat sink for superior thermal management
- **Shock Resistance:** 1500G / 0.5ms
- **Operating Temperature:** 0°C to 70°C
- **Storage Temperature:** -40°C to 85°C
- **MTBF:** 1.6 million hours
- **Dimensions:** 80mm x 22mm x 3.6mm
- **Weight:** 9g
- **Advanced Features:**
  - S.M.A.R.T monitoring
  - TRIM support
  - LDPC ECC (Error Correction Code)
  - Dynamic Wear Leveling
- **Certifications:** RoHS, CE, FCC
- **Warranty:** 5 Years

Ordering Information

EAN CODE	PART #	CAPACITY
6291104608269	NVCXP1TBG52280	1TB
6291104608276	NVCXP2TBG52280	2TB

Performance

CAPACITY	Sequential Read Speed Up to (MB/s)	Sequential Write Speed Up to (MB/s)	DRAM (cache)	4K Random read & write IOPS	Endurance (TBW Max Capacity)
1TB	14000 MB/s	10000 MB/s	1GB	1500K	700 TBW
2TB	14000 MB/s	10000 MB/s	2GB	1500K	1400 TBW

[1] 1GB=1,000,000,000 Bytes. In OS system, it would be displayed as 1,000,000,000 Bytes/1024/1024/1024 = 0.95 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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