Description

Genuine PCIe NVMe Gen3x4 speed (128GB – 2 TB) Max Sequential Speed up to 3600MB/s Read and up to 3250 MB/s Write. Space-saving and compact M.2 2280 form factor,

Ordering Information

EAN CODE	PART #	CAPACITY
6291104607781	NVMe128GB2280AP	128GB
6291104607798	NVMe256GB2280AP	256GB
6291104607804	NVMe512GB2280AP	512GB
6291104607811	NVMe1TB2280AP	1TB
6291104607828	NVMe2TB2280AP	2TB

Specification

- Model: AlphaPro (for capacity 128GB / 256GB / 512GB / 1TB/ 2TB)
- Sequential Read Speed (MB/s) : Up to 3600 MB/s
- Sequential Write Speed (MB/s) : Up to 3250 MB/s
- Form Factor : M.2 2280
- Interface/ Protocol : PCIe Gen 3.0 x 4/ NVMe
- NAND Type : TLC 3D NAND
- NAND Flash Brand : Micron/ Hynix/ Samsung
- SSD Controller Brand : SMI/Maxiotek
- Voltage : 3.3V
- MTBF : 1.5 Million hours
- Bridge Controller MTBF : >1,500,000 hours
- Shock Resistance: 1500G/0.5ms
- Dimensions (LxWxH): 80x22x2.20 mm
- Weight: 7g
- Low density parity check (LDPC)
- Failed Blocks of Flash will be replaced with new ones by the SSD.
- Smart: Yes
- TRIM: Yes
- Certification: ROHS
- Warranty: 5 Years

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)
128GB	1700 MB/s	1400 MB/s	220K	210K	125TBW
256GB	3600 MB/s	3250 MB/s	220K	210K	250TBW
512GB	3600 MB/s	3250 MB/s	230K	210K	500TBW
1TB	3600 MB/s	3250 MB/s	260K	270K	1000TBW
2TB	3600 Mb/s	3250 Mb/s	260K	270K	2000TBW

[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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