



Specification

Model	N5000 2280		
Dimensions	NVME L80mm * W22mm * H2.0mm Error ± 0.5 mm(Finished product)		
Form factor	PCIe Gen4 x 4		
Interface	NVMe Revision 1.4		
Capacity	512GB	1TB	2TB
NAND Flash	TLC	TLC	TLC
Sequential Read (MB/s)	5000	5000	5000
Sequential Write (MB/s)	4500	4500	4500
4K Random read(IOPS)	23176(1TB)		
4K Random write(IOPS)	67072(1TB)		
Input voltage	DC 3.3V $\pm 5\%$		
Power consumption Idle	0.28W(1TB)		
Power consumption Active	2.55W(1TB)		
Data retention	10years below 25 degree		
MTBF	1.5 million hours		
ECC	Hardware LDPC ECC engine with hard-decision and soft-decision decoding		
Features	System automatic bad block management		
Operating Temp.	0°C ~ 70°C		
Storage Temp.	-40°C ~ 85°C		
Humidity	5-95%		
Vibration	80Hz~2000Hz/20G		
Shock	1500G/0.5ms		