



Specification

Model	N3000			
Dimensions	NVME L80mm * W22mm * H2.0mm Error \pm 0.5mm(Finished product)			
Form factor	PCIe Gen3 x4			
Interface	NVMe Revision 1.3			
Capacity	128GB	256GB	512GB	1TB
NAND Flash	TLC	TLC	TLC/QLC	TLC/QLC
Sequential Read (MB/s)	1600~2200	2400~3200	2500~3400	2600~3400
Sequential Write (MB/s)	800~1000	1000~1600	1900~2500	2300~3100
TBW	90TB	90TB	185TB	185TB
4K Random read(IOPS)	18176(512GB)			
4K Random write(IOPS)	37512(512GB)			
Input voltage	DC 3.3V \pm 5%			
Power consumption Idle	0.28W(1TB)			
Power consumption Active	1.85W(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			