



Specification

Model	S500			
Dimensions	2.5 吋 L100mm * W70mm * H7mm Error \pm 0.5mm(Finished product)			
Form factor	SATA			
Interface	SATA III 6Gbps			
Capacity	120GB	240GB	480GB	960GB
NAND Flash	TLC	TLC/QLC	TLC/QLC	TLC/QLC
Sequential Read (MB/s)	450~550	450~550	450~550	500~550
Sequential Write (MB/s)	400~500	400~500	450~500	480~530
TBW	90TB	185TB	375TB	750TB
4K Random read(IOPS)	61830(1TB)			
4K Random write(IOPS)	61750(1TB)			
Input voltage	DC 5V \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			