



Specification

Model	S500 Pro					
Dimensions	2.5吋 L100mm * W70mm * H7mm Error \pm 0.5mm(Finished product)					
Form factor	SATA					
Interface	SATA III 6Gbps					
Capacity	128GB	256GB	512GB	1TB	2TB	4TB
NAND Flash	TLC	TLC/QLC	TLC/QLC	TLC/QLC	TLC/QLC	TLC/QLC
Sequential Read (MB/s)	450~550	450~550	470~500	470~500	500~520	500~520
Sequential Write (MB/s)	400~500	400~500	450~500	450~500	470~500	470~500
TBW	90TB	185TB	375TB	750TB	1420	2840
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					