

## Specification

Model	YSS25M2XXXXXXXXXX			
Dimensions	2.5 inch, L100.4mm * W70.0mm * H7.0mm Error±0.15mm			
Interface	SATA 7+15PIN			
Protocol	SATA III (6Gb/s)- with backwards compatibility to SATA II (3Gb/s)			
Supported Systems	Windows 7,Windows 8,Windows 10,Windows Server 2012 R2,RHEL, CentOS,Ubuntu,Linux			
Capacity	256GB	512GB	1TB	2TB
NAND Flash	3D TLC	3D TLC	3D TLC	3D TLC
Sequential Read (MB/s)	510~560	520~570	520~570	520~570
Sequential Write (MB/s)	250~300	430~480	450~500	470~520
TBW	250TB	500TB	1000TB	2000TB
4K Random read(IOPS)	97K(MAX)			
4K Random write(IOPS)	86K(MAX)			
Input voltage	DC 5V+/-5%			
Power consumption Idle	0.87W(MAX)			
Power consumption Active	4.78W(MAX)			
Data retention	10 years below 25 degree			
MTBF	2 million hours			
ECC	Low Density Parity Check(LDPC) ECC			
Features	Power management/TRIM/S.M.A.R.T./NCQ/Wear-leveling			
Operating Temp	-20°C ~ 75°C, -40°C ~ 85°C			
Storage Temp	-55°C ~ 105°C			
Humidity	5-95%			



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