

Specification

Model	YSIMXXX-M530					
Dimensions	mSATA, L50.95mm * W30.0mm * H3.5mm Error±0.15mm					
Interface	mSATA 52PIN					
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	64GB	128GB	256GB	512GB	1TB	2TB
NAND Flash	3D TLC	3D TLC	3D TLC	3D TLC	3D TLC	3D TLC
Sequential Read (MB/s)	310~350	450~500	500~550	510~560	520~570	520~580
Sequential Write (MB/s)	300~340	400~450	450~500	470~540	490~550	500~560
TBW	60TB	125TB	250TB	500TB	1000TB	2000TB
4K Random read(IOPS)	52K(Max)					
4K Random write(IOPS)	67K(Max)					
Input voltage	DC 3.3V±5%					
Power consumption Idle	0.13W(Max)					
Power consumption Active	1.15W(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.	0°C~70°C					
Storage Temp.	-40°C ~ 85°C					
Humidity	5-95%					



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