

Specification

Model	YSITXXX-M530 2280				
Dimensions	M.2 2280, L80.0mm * W22.0mm * H2.1mm Error±0.15mm				
Interface	M.2 B&M Key				
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	128GB	256GB	512GB	1TB	2TB
NAND Flash	3D TLC	3D TLC	3D TLC	3D TLC	3D TLC
Sequential Read (MB/s)	450~500	500~550	510~560	510~570	520~580
Sequential Write (MB/s)	400~450	450~500	470~540	480~540	500~550
TBW	125TB	250TB	500TB	1000TB	2000TB
4K Random read(IOPS)	86500(Max)				
4K Random write(IOPS)	64000(Max)				
Input voltage	DC 3.3V±5%				
Power consumption Idle	0.38W(Max)				
Power consumption Active	1.14W(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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