

Specification

Model	YSITXXX-M530 2242				
Dimensions	M.2 2242, L42.0mm * W22.0mm * H3.5mm 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	64GB	128GB	256GB	512GB	1TB
NAND Flash	3D TLC	3D TLC	3D TLC	3D TLC	3D TLC
Sequential Read (MB/s)	310~350	450~500	500~550	510~560	520~570
Sequential Write (MB/s)	300~340	400~450	450~500	470~540	490~550
TBW	60TB	125TB	250TB	500TB	1000TB
4K Random read(IOPS)	89K(Max)				
4K Random write(IOPS)	73K(Max)				
Input voltage	DC 3.3V±5%				
Power consumption Idle	0.37W(Max)				
Power consumption Active	1.22W(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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