

Specification

Model	YSITXXX-P130 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	32GB	64GB	128GB	256GB	512GB
NAND Flash	3D TLC	3D TLC	3D TLC	3D TLC	3D TLC
Sequential Read (MB/s)	280~320	300~350	510~560	510~560	510~560
Sequential Write (MB/s)	100~150	230~280	450~500	460~510	430~480
TBW	30TB	60TB	125TB	250TB	500TB
4K Random read(IOPS)	70K(Max)				
4K Random write(IOPS)	81K(Max)				
Input voltage	DC 3.3V±5%				
Power consumption Idle	0.34W(Max)				
Power consumption Active	1.54W(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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