

## Specification

Model	YSITXXX-P330 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	128GB	256GB	512GB	1TB
NAND Flash	3D TLC	3D TLC	3D TLC	3D TLC
Sequential Read (MB/s)	510~560	510~560	510~560	510~560
Sequential Write (MB/s)	450~500	480~530	480~530	490~540
TBW	125TB	250TB	500TB	1000TB
4K Random read(IOPS)	48K(Max)			
4K Random write(IOPS)	90K(Max)			
Input voltage	DC 3.3V±5%			
Power consumption Idle	0.13W(Max)			
Power consumption Active	0.68W(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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