

## Specification

Model	YSISXXX-S320		
Dimensions	2.5 inch, L100.4mm * W70.0mm * H7.0mm Error±0.15mm		
Interface	SATA 7+15PIN		
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
NAND Flash	MLC	MLC	MLC
Sequential Read (MB/s)	300~350	400~450	450~500
Sequential Write (MB/s)	150~200	200~250	300~350
TBW	185TB	375TB	750TB
4K Random read(IOPS)	82000(Max)		
4K Random write(IOPS)	44590(Max)		
Input voltage	DC 5V±5%		
Power consumption Idle	0.32W(Max)		
Power consumption Active	2.30W(Max)		
Data retention	10 years below 25 degree		
MTBF	2 million hours		
ECC	Hardware BCH ECC capable of correcting errors up to 66-bit/1KB		
Features	System automatic bad block management		
Operating Temp.	0°C~70°C		
Storage Temp.	-40°C ~ 85°C		
Humidity	5-95%		



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