

## Specification

Model	YSSD2S2XXXXXXXXXX					
Dimensions	SATA DOM, L44.0mm * W29.87mm * H10.5mm 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	8GB	16GB	32GB	64GB	128GB	256GB
NAND Flash	SLC	SLC	SLC	MLC	MLC	MLC
Sequential Read (MB/s)	100~130	120~150	130~160	450~500	450~500	500~550
Sequential Write (MB/s)	40~70	50~80	60~90	100~130	130~160	220~250
TBW	375TB	750TB	1500TB	185TB	375TB	750TB
4K Random read(IOPS)	23500(MAX)					
4K Random write(IOPS)	23800(MAX)					
Input voltage	DC 5V+/-5%					
Power consumption Idle	0.7W(MAX)					
Power consumption Active	2.1W(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	Power management/TRIM/S.M.A.R.T./NCQ/Wear-leveling					
Operating Temp.	-20°C ~ 75°C, -40°C ~ 85°C					
Storage Temp.	-55°C ~ 105°C					
Humidity	5-95%					



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