

Specification

Model	YSSM1S2XXXXXXXXXX						
Dimensions	mSATA, L50.95mm * W30.0mm * H3.5mm Error±0.15mm						
Interface	mSATA 52PIN						
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	32GB	64GB	128GB	256GB
NAND Flash	SLC	SLC	SLC	MLC	MLC	MLC	MLC
Sequential Read (MB/s)	100~130	120~150	250~300	250~300	450~500	450~500	500~550
Sequential Write (MB/s)	40~70	50~80	150~200	40~80	100~130	130~160	220~250
TBW	375TB	750TB	1500TB	90TB	185TB	375TB	750TB
4K Random read(IOPS)	21K(MAX)						
4K Random write(IOPS)	22K(MAX)						
Input voltage	DC 3.3V+/-5%						
Power consumption Idle	0.17W(MAX)						
Power consumption Active	2.01W(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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