

specification

Model	YSISXXX-S831	
Dimensions	2.5 inch L100.4mm * W70.0mm * H7.0mm Error±0.15mm	
Form factor	2.5 SATA	
Interface	SATA III 6Gbps	
Capacity	1TB	2TB
NAND Flash	3D TLC	3D TLC
Sequential Read (MB/s)	500~560	520~570
Sequential Write (MB/s)	450~500	450~500
TBW	750TB	1500TB
4K Random read(IOPS)	70300 (Max)	
4K Random write(IOPS)	70100 (Max)	
Input voltage	DC 5V±5%	
Power consumption Idle	0.41W (Max)	
Power consumption Active	2.81W (Max)	
Data retention	10years below 25 degree	
MTBF	2 million hours	
ECC	Hardware LDPC	
Features	System automatic bad block management	
Operating Temp.	0℃~70℃	
Storage Temp.	-40~85℃	
Humidity	5-95%	
Vibration	80Hz~2000Hz/20G	
Shock	1500G/0.5ms	