

Specification

Model	YSIMXXX-S421			
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	128GB	256GB	512GB	1TB
NAND Flash	MLC	MLC	MLC	MLC
Sequential Read (MB/s)	450~500	450~500	500~550	500~550
Sequential Write (MB/s)	260~320	300~350	400~450	420~480
TBW	375TB	750TB	1500TB	3000TB
4K Random read(IOPS)	69800(Max)			
4K Random write(IOPS)	76090(Max)			
Input voltage	DC 3.3V±5%			
Power consumption Idle	0.38W(Max)			
Power consumption Active	2.97W(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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