

Specification			
Model	YSSCSS5XXXXXXXXXX		
Dimensions	CFAST, L42.8mm * W36.4mm * H3.3mm Error±0.15mm		
Interface	SATA 7+17PIN		
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	256GB	512GB	1TB
NAND Flash	3D TLC	3D TLC	3D TLC
Sequential Read (MB/s)	510~560	520~570	520~570
Sequential Write (MB/s)	230~280	400~450	480~530
TBW	250TB	500TB	1000TB
4K Random read(IOPS)	62K(MAX)		
4K Random write(IOPS)	61K(MAX)		
Input voltage	DC 3.3V+/-5%		
Power consumption Idle	0.28W(MAX)		
Power consumption Active	1.85W(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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