

Specification				
Model	YSISXXX-S831			
Dimensions	2.5 inch, L100.4mm * W70.0mm * H7.0mm 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	256GB	512GB	1TB	2TB
NAND Flash	3D TLC	3D TLC	3D TLC	3D TLC
Sequential Read (MB/s)	500~550	500~560	500~560	520~570
Sequential Write (MB/s)	450~500	450~500	450~500	450~500
TBW	250TB	500TB	1000TB	2000TB
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	10 years below 25 degree			
MTBF	2 million hours			
ECC	Low Density Parity Check(LDPC) ECC			
Features	Power management/TRIM/S.M.A.R.T./NCQ/Wear-leveling			
Operating Temp.	0°C~70°C			
Storage Temp.	-40°C ~ 85°C			
Humidity	5-95%			



Shenzhen KingSpec Electronics Technology Co., Ltd.

Phone: 0755-26985321

URL: www.yansen-ssd.com

Office: 2001, Block C, Minzhi Joint Stock Commercial Center, North Station Community, Minzhi Street, Longhua District, Shenzhen, China, 518000