

YANSEN 元存® Shenzhen KingSpec Electronics Technology Co., Ltd.

specification

Model	YSS25M2XXXXXXXXXX			
Dimensions	2.5 inch L100.4mm * W70.0mm * H7.0mm Error±0.15mm			
Form factor	SATA 22pin			
Interface	SATA III 6Gbps			
Capacity	256GB	512GB	1TB	2TB
NAND Flash	3D TLC	3D TLC	3D TLC	3D TLC
Sequential Read (MB/s)	510~560	520~570	520~570	520~570
Sequential Write (MB/s)	250~300	430~480	450~500	470~520
TBW	185TB	375TB	750TB	1500TB
4K Random read(IOPS)	97400 (2TB)			
4K Random write(IOPS)	86500 (2TB)			
Input voltage	DC 5V±5%			
Power consumption Idle	0.87W (2TB)			
Power consumption Active	4.78W (2TB)			
Data retention	10years 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.	-20°C~75°C, -40°C~85°C			
Storage Temp.	-55°C~105°C			
Humidity	5-95%			
Warranty/support	3-year warranty with free technical support			