

## Specification

Model	YSSN1S2XXXXXXXXXX						
Dimensions	M.2 2242, L42.0mm * W22.0mm * H3.5mm Error±0.15mm						
Interface	M.2 2242 B&M Key						
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	8GB	16GB	32GB	32GB	64GB	128GB	256GB
NAND Flash	SLC	SLC	SLC	MLC	MLC	MLC	MLC
Sequential Read (MB/s)	100~130	120~150	250~300	250~300	450~500	450~500	500~550
Sequential Write (MB/s)	40~70	50~80	150~200	40~80	100~130	130~160	220~250
TBW	375TB	750TB	1500TB	90TB	185TB	375TB	750TB
4K Random read(IOPS)	21K(MAX)						
4K Random write(IOPS)	21K(MAX)						
Input voltage	DC 3.3V+/-5%						
Power consumption Idle	0.45W(MAX)						
Power consumption Active	2.15W(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%						



**Shenzhen KingSpec Electronics Technology Co., Ltd.**

Phone: 0755-26985321

URL: [www.yansen-ssd.com](http://www.yansen-ssd.com)

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