

YANSEN 元存[®]

Shenzhen KingSpec Electronics Technology Co., Ltd.

specification

Model	YSINXXX-M430 2242				
Dimensions	M.2 2242 L42.0mm * W22.0mm * H3.5mm Error±0.15mm				
Form factor	M.2 M Key				
Interface	PCIe Gen3 x 4Lane, NVME 1.4				
Capacity	128GB	256GB	512GB	1TB	2TB
NAND Flash	3D TLC	3D TLC	3D TLC	3D TLC	3D TLC
Sequential Read (MB/s)	1600~2200	2500~3400	2600~3500	2600~3500	2600~3500
Sequential Write (MB/s)	600~1000	1000~1600	2200~2700	2300~3000	2500~3000
TBW	90TB	185TB	375TB	750TB	1500TB
4K Random read(IOPS)	420K (Max)				
4K Random write(IOPS)	250K (Max)				
Input voltage	DC 3.3V ±5%				
Power consumption Idle	0.63W (Max)				
Power consumption Active	4.19W (Max)				
Data retention	10years below 25 degree				
MTBF	2 million hours				
ECC	LDPC Error Correction of Hardware				
Features	System automatic bad block management				
Operating Temp.	0°C~70°C				
Storage Temp.	-40°C~85°C				
Humidity	5-95%				
Vibration	80Hz~2000Hz/20G				
Shock	1500G/0.5ms				