

Specification

Model	YSINXXX-M430 2242				
Dimensions	M.2 2242, L42.0mm * W22.0mm * H3.5mm Error±0.15mm				
Interface	M.2 M Key				
Protocol	PCIe Gen3 x 4Lane,NVME 1.4				
Supported Systems	Windows 7,Windows 8,Windows 10,Windows Server 2012 R2,RHEL, CentOS,Ubuntu,Linux				
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	125TB	250TB	500TB	1000TB	2000TB
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	10 years below 25 degree				
MTBF	2 million hours				
ECC	LDPC Error Correction of Hardware				
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%				



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