

Specification

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|--------------------------|---|---------|----------|-----------|
| Model | YSINXXX-M430 2242BM | | | |
| Dimensions | M.2 2242, L42.0mm * W22.0mm * H3.5mm Error±0.15mm | | | |
| Interface | M.2 B&M Key | | | |
| Protocol | PCIe Gen3 x 2Lane,NVME 1.4 | | | |
| Supported Systems | Windows 7,Windows 8,Windows 10,Windows Server 2012 R2,RHEL, CentOS,Ubuntu,Linux | | | |
| Capacity | 64GB | 128GB | 256GB | 512GB |
| NAND Flash | 3D TLC | 3D TLC | 3D TLC | 3D TLC |
| Sequential Read (MB/s) | 800~900 | 900~950 | 950~1100 | 1000~1100 |
| Sequential Write (MB/s) | 300~400 | 600~800 | 800~950 | 900~1000 |
| TBW | 60TB | 125TB | 250TB | 500TB |
| 4K Random read(IOPS) | 96K(Max) | | | |
| 4K Random write(IOPS) | 14K(Max) | | | |
| Input voltage | DC 3.3V±5% | | | |
| Power consumption Idle | 0.43W(Max) | | | |
| Power consumption Active | 2.0W(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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