

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

specification

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|--------------------------|---|---------|----------|-----------|
| Model | YSINXXX-M430 2242BM | | | |
| Dimensions | M.2 2242 L42.0mm * W22.0mm * H3.2mm Error±0.1mm | | | |
| Form factor | M.2 B&M Key | | | |
| Interface | PCIe Gen3 x 2Lane, NVME 1.4 | | | |
| 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 | 45TB | 90TB | 185TB | 375TB |
| 4K Random read(IOPS) | 96720 (Max) | | | |
| 4K Random write(IOPS) | 13980 (Max) | | | |
| Input voltage | DC 3.3V±5% | | | |
| Power consumption Idle | 0.43W (Max) | | | |
| Power consumption Active | 2.0W (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 | | | |