

| Specification | | | |
|--------------------------|---|-------------|-------------|
| Model | YST25G1YDXXXXXXXXX | | |
| Dimensions | 2.5 inch, L100.4mm * W70.0mm * H7.0mm Error±0.15mm | | |
| Interface | SATA 7+15PIN | | |
| Protocol | SATA II (3Gb/s)- with backwards compatibility to SATA I (1.5Gb/s) | | |
| Supported Systems | Windows 7,Windows 8,Windows 10,Windows Server 2012 R2,RHEL, CentOS,Ubuntu,Linux | | |
| Capacity | 1.92TB | 3.84TB | 7.68TB |
| NAND Flash | YMTC 3D TLC | YMTC 3D TLC | YMTC 3D TLC |
| Sequential Read (MB/s) | 280 | 280 | 280 |
| Sequential Write (MB/s) | 260 | 260 | 260 |
| TBW | 2000TB | 4000TB | 8000TB |
| 4K Random read(IOPS) | 33K | 33K | 33K |
| 4K Random write(IOPS) | 30K | 30K | 30K |
| Input voltage | DC 5V+/-5% | | |
| Power consumption Idle | 0.45W(MAX) | | |
| Power consumption Active | 4.2W(MAX) | | |
| Data retention | 10 years below 25 degree | | |
| MTBF | 2 million hours | | |
| ECC | 4K Low Density Parity Check(LDPC) ECC | | |
| Features | Power management/TRIM/S.M.A.R.T./NCQ/Wear-leveling | | |
| Operating Temp. | 0°C ~ 70°C, -20°C ~ 75°C | | |
| Storage Temp. | -55°C ~ 95°C | | |
| Humidity | 5-95% | | |



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