

Specification				
Model	YST25M5YDXXXXXXXXX			
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	256GB	512GB	1TB	2TB
NAND Flash	YMTC 3D TLC	YMTC 3D TLC	YMTC 3D TLC	YMTC 3D TLC
Sequential Read (MB/s)	275	275	275	275
Sequential Write (MB/s)	245	245	245	245
TBW	250TB	500TB	1000TB	2000TB
4K Random read(IOPS)	33K	33K	33K	33K
4K Random write(IOPS)	30K	30K	30K	30K
Input voltage	DC 5V+/-5%			
Power consumption Idle	0.2W(MAX)			
Power consumption Active	1.0W(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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