



*Ultimate
Performance*

10X FASTER



M3 2.5" SATA III Solid State Drive

**10X
FASTER**

10x faster than
a standard
7200 RPM HDD*

SATA III

6 Gb/s Data speed
Backward compatible
with SATAII (3Gb/s)

Mercury M3 2.5" SATA III Solid State Drive incorporate the latest 3D NAND technologies to ensure exceptionally fast data transfer speeds with a wide range of capacity options. Low power consumption results in better efficiency, longer battery lifespan and high quality components ensure reliability and enhanced error correction for improved data retention



M3 2.5" SATA III Solid State Drive

Technical Specifications

Model	M3 Series
Dimensions	L100.4mm*W70.0mm*H7.0mm ±0.15mm
Form factor	2.5"SATA, 7+15pin
Interface	SATA Rev.3.2(6Gb/s)- with backwards compatibility to SATA Rev. 2.0 (3Gb/s)

Model No	M3-256	M3-512	M3-1TB	M3-2TB	M3-4TB
Capacity	256GB	512GB	1TB	2TB	4TB
NAND Flash	3D NAND	3D NAND	3D NAND	3D NAND	3D NAND
Sequential Read (MB/s)	500~550	520~570	520~570	520~580	520~580
Sequential Write (MB/s)	470~520	480~540	500~560	510~570	450~500
TBW	120TB	240TB	480TB	960TB	1920TB
4K Random read(IOPS)	65K(Max)				
4K Random write(IOPS)	70K(Max)				
Input voltage	DC 5V±5%				
Power consumption Idle	0.41W(Max)				
Power consumption Active	1.85W(Max)				
Data retention	10years below 25 degree				
MTBF	1 million hours				
ECC	LDPC Error Correction of Hardware				
Features	Power Management / TRIM / S.M.A.R.T. / NCQ / Wear - leveling				
Operating Temp.	0~+70°C				
Storage Temp.	-20~+75°C				
Humidity	5-95%				
Vibration	80Hz~2000Hz/20G				
Shock	1500G/0.5ms				



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