

Interface	SATA III	
Form Factor	2.5"	M.2 2280, mSATA
NAND Flash	2D SLC, 2D MLC	
Capacity ¹	32GB to 2TB	32GB to 1TB
Performance (Up to)^{2,3}		
Sequential Read	560 MB/s	540 MB/s
Sequential Write	530 MB/s	520 MB/s
4K Random Read	88K IOPS	88K IOPS
4K Random Write	89K IOPS	89K IOPS
Power		
Supply Voltage	5V ± 5%	3.3V ± 5%
Max (Average)	TBD	TBD
Active (Average) ⁴	5400 mW	3950 mW
Idle	400 mW	1450 mW
DEVSLP	280 mW	4.9 mW
Temperature		
Operating	0°C - 70°C -40°C - 85°C	0°C - 70°C
Non-Operating	-40°C - 85°C	
Advanced Features	<ul style="list-style-type: none"> • Self Encrypting Function(Optional): AES, TCG OPAL • Power Loss Protection(pFail) Circuit (Optional on 2.5") • Intelligent FW Technology on Data Loss Protection : <ol style="list-style-type: none"> 1) Data Loss Protection End-to-End Data Protection (ETEDPP) 2) GuaranteedFlush™ (Optional) 3) SmartFlush™ • Thermal Protection Mechanism • Security Function(Optional): Write Protect, Quick Erase, Data Destroy 	

¹ 1GB = 1,000,000,000 bytes

² 1MB/s = 1,000,000 bytes / second

³ Performance is based on Crystal Disk Mark 6.0.0, test size 1GiB, and test drive set as secondary

⁴ Measured with MobileMark 2014