



Enterprise M2DISK SSD

Product features:

- SATA 3.2 compatible with 6/3/1.5 Gb/s rates
- ATA/ATAPI ACS3 command set compliant
- Security erase
- Cryptographic firmware image signing
- Controller: Marvell 88SS1074 / 88SS1080
- DRAM: DDR3 / DDR4
- Flash: 3D TLC
- UBER: <1 sector per 10^{17} bits read
- MTBF: 2.0 million hours
- Mechanical form factor: 80 mm x 22 mm x 3.8 mm

Detailed specifications

Edition	SATA 3.2				
Capacity	480GB	960GB	1920GB	3840GB	7680GB
PN	S480GS301	S960GS301	S1T92S301	S3T84S301	S7T68S301
Parameter					
Sequential Read (128KB)	530 MB/s	545 MB/s	545 MB/s	540 MB/s	550 MB/s
Sequential write (128KB)	515 MB/s	520 MB/s	520 MB/s	520 MB/s	525 MB/s
Random read (4KB)	80,000 IOPS	92,000 IOPS	94,000 IOPS	97,000 IOPS	77,000 IOPS
Random write (4KB)	12,000 IOPS	17,000 IOPS	17,000 IOPS	18,000 IOPS	10,000 IOPS
TWB	520 TB	1,040 TB	2,080 TB	4,160 TB	8,320 TB
Operating temperature	0–70 °C				
Storage temperature	-40–85 °C				
Power supply voltage range	3.3 V ± 5%				
MTBF	2,000,000 hours				
UBER	<1 sector per 10^{17}				
DWPD	1				