



Enterprise U.2 SSD

Product features:

- PCIe Gen4x4
- Advanced LDPC error correction
- HW power loss protection (HWPLP)
- Surprise insertion / surprise removal (SISR) and hot-plug capable (U.2/E1. S support)
- Controller: Marvell 88SS1321
- DRAM: DDR4
- Flash: 3D TLC / pSLC
- UBER: <1 sector per 10^{17} bits read
- MTBF: 2.0 million hours
- Mechanical form factor: 100.5 mm x 69.85 mm x 7 mm

Detailed specifications

Edition	Standard					
Capacity	960GB	1920GB	3840GB	7680GB	15360GB	30720GB
PN	S960GP401	S1T92P401	S3T84P401	S7T68P401	S15T3P401	S30T7P401
Parameter						
Sequential Read (128KB)	3,190 MB/s	3,200 MB/s	3,200 MB/s	3,190 MB/s	2,750 MB/s	3,395 MB/s
Sequential write (128KB)	1,360 MB/s	3,010 MB/s	3,010 MB/s	3,010 MB/s	2,825 MB/s	3,355 MB/s
Random read (4KB)	244,000 IOPS	280,000 IOPS	346,000 IOPS	352,000 IOPS	172,000 IOPS	301,000 IOPS
Random write (4KB)	35,000 IOPS	50,000 IOPS	53,000 IOPS	53,000 IOPS	23,000 IOPS	14,000 IOPS
TWB	1,040 TB	2,080 TB	4,160 TB	8,320 TB	16,640 TB	33,280 TB
Operating temperature	0–70 °C					
Storage temperature	-40–85 °C					
Power supply voltage range	12.0 V ± 10%					
DWPD	1					



Edition	Pro			
Capacity	960 GB	1920 GB	3840 GB	7680 GB
PN	S960GP401-P	S1T92P401-P	S3T84P401-P	S7T68P401-P
Parameter				
Sequential Read (128KB)	3,300 MB/s	3,330 MB/s	3,345 MB/s	3,350 MB/s
Sequential write (128KB)	1,755 MB/s	3,005 MB/s	3,180 MB/s	3,015 MB/s
Random read (4KB)	338,000 IOPS	382,000 IOPS	378,000 IOPS	381,000 IOPS
Random write (4KB)	84,000 IOPS	114,000 IOPS	114,000 IOPS	1,000 IOPS
TWB	1,720 TB	3,440 TB	6,880 TB	13,760 TB
Operating temperature	0–70 °C			
Storage temperature	-40–85 °C			
Power supply voltage range	12.0 V ± 10%			
DWPD	1			