



Enterprise PCIe4 M.2 2280 SSD

Product Specifications

Interface	PCIe Gen4x4				
Edition	Standard				
Capacity	960 GB	1920 GB	3840 GB	7680 GB	15360 GB
Model	M2S960GP4S100	M2S1T92P4S100	M2S3T84P4S100	M2S7T68P4S100	M2S15T3P4S100
Controller	Marvell 88SS1321				
Flash Type	3D TLC				
DRAM	DDR4				
Sequential Read (128KB)	3,075 MB/s	3,185 MB/s	3,200 MB/s	3,000 MB/s	2,380 MB/s
Sequential Write (128KB)	1,815 MB/s	3,000 MB/s	3,010 MB/s	3,010 MB/s	2,545 MB/s
Random Read (4KB)	371,000 IOPS	276,000 IOPS	346,000 IOPS	351,000 IOPS	289,000 IOPS
Random Write (4KB)	31,000 IOPS	41,000 IOPS	61,000 IOPS	52,000 IOPS	20,000 IOPS
TBW	1,040 TB	2,080 TB	4,160 TB	8,320 TB	16,640 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				
Compatibility	Windows/Windows Server/ CentOS, Fedora, FreeBSD, openSUSE, Red Hat, Ubuntu, VMware ESXi, Citrix, KVM				
DWPD	0.6				
Mechanical Form Factor	80 mm x 22 mm x 3.8 mm				

Product Specifications

- Surprise insertion / surprise removal (SISR) and hot- plug capable
- Advanced LDPC error correction
- PCIe link power management
- Global static and dynamic wear leveling
- High I/O and throughput performance
- Next generation LDPC technology secures NAND endurance
- Advanced Flash management and global wear leveling algorithm extending drive life
- High stability and reliability
- Temperature monitoring and intelligent management

Physical dimension diagram

