



Ultimate Performance



MER B
Series

M.2 PCIe Gen4 NVME 2280 Internal SSD

M.2 PCIe Gen4



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Technical Specifications

Model	MER – B - Series
Dimensions	L80.0mm * W22.0mm * H2.1mm ±0.1mm
Form factor	M.2-2280 M Key
Interface	PCIe Gen4 x 4, NVME 1.4
Support OS	Windows 10, Windows 11, Windows Server 2012 R2, RHEL, CentOS, Ubuntu, Linux

Model Number	MER-B-512	MER-B-1TB	MER-B-2TB	MER-B-4TB
Capacity	512GB	1TB	2TB	4TB
NAND Flash	3D NAND	3D NAND	3D NAND	3D NAND
Sequential Read (MB/s)	7200	7400	7400	7400
Sequential Write (MB/s)	4400	6600	6600	6500
TBW	120TB	240TB	480TB	960TB
Random 4k Read IOPS	630K	710K	700K	650K
Random 4k Write IOPS	390K	610K	600K	670K
Random Acc. time	0.043ms	0.053ms	0.054ms	0.054ms

Input Voltage	DC 3.3V±5%			
Idle Mode	0.63W	0.68W	0.72W	0.73W
Max	3.50W	3.60W	3.70W	4.56W
TBW	300TB	600TB	1200TB	2400TB
Data Retention	1year @ 25°C			
MTBF	1million hours			
ECC	4K LDPC			
Option Temperature	0~+70°C			
Storage Temperature	-20~+75°C			
Humidity	5-95%			

