



Ultimate Performance



MER A
Series

M.2 PCIe Gen3 NVME 2280 Internal SSD



M.2 PCI-e Gen3



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Technical Specifications

Model	MER – A - Series
Dimensions	L80.0mm * W22.0mm * H2.1mm ±0.1mm
Form factor	M.2,PCI-e Gen3 x4
Interface	NVME Rev.1.3- with backwards compatibility to NVME Rev. 1.1

Part Number	MER-A-256	MER-A-512	MER-A-1TB	MER-A-2TB
Capacity	256GB	512GB	1TB	2TB
NAND Flash	3D QLC	3D QLC	3D QLC	3D QLC
Sequential Read (MB/s)	2400~3200	2500~3400	2600~3400	2700~3500
Sequential Write (MB/s)	1000~1600	1900~2500	2300~3100	2500~3200
TBW	120TB	240TB	480TB	960TB
4K Random read(IOPS)	380000(2TB)			
4K Random write(IOPS)	320000(2TB)			
Input voltage	DC 3.3V±5%			
Power consumption Idle	0.69W(2TB)			
Power consumption Active	4.26W(2TB)			
Data retention	10years below 25 degree			
MTBF	1 million hours			
ECC	Hardware LDPC capable of correcting errors			
Features	Power management/TRIM/S.M.A.R.T./NCQ/Wear-leveling			
Operating Temp.	0~+70°C			
Storage Temp.	-20~+75°C			
Humidity	5-95%			
Vibration	80Hz~2000Hz/20G			
Shock	1500G/0.5ms			

