



*Ultimate
Performance*



MER **E**
Series

USB 3.2 **Gen** 2x2 Type-C

Portable Solid State Drive



Technical Specifications

Model	MER – E Series
Dimensions	L104.70mm * W40.00mm * H10.70mm ±0.15mm
Interface	Type C
Protocol	USB Rev.3.2 Gen2x2(20Gbps)- with backwards compatibility to USB Rev.3.0, Thunderbolt 4 only supports USB 3.2 Gen2x1(10Gbps)
Support OS	Windows 7, Windows 10, Windows 11, Android 6.0 or later
Net Weight	≈116g

Model	MER E 512	MER E 1TB	MER E 2TB	MER E 4TB
Capacity	512GB	1TB	2TB	4TB
NAND Flash	3D TLC	3D TLC	3D TLC	3D TLC
Sequential Read (MB/s)	2000~2100	2000~2100	2000~2100	2000~2100
Sequential Write (MB/s)	1700~1800	1700~1800	1750~1850	1750~1850
4K Random read(IOPS)	64K(4TB)			
4K Random write(IOPS)	67K(4TB)			
Input voltage	DC 5V±5%			
Power consumption Idle	1.0W(4TB)			
Power consumption Active	5.25W(4TB)			
Data retention	10years below 25 degree			
MTBF	1 million hours			
ECC	LDPC Error Correction of Hardware			
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			

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