

MiPhi M1300G5 PCIe Gen 5 M.2 Solid State Drive

Part Number	MP5026100T	MP5026200T	MP5026400T
Capacity	1000 GB	2000 GB	4000 GB
Interface	PCIe Gen 5.0 x4 NVMe 2.0		
Form Factor	M.2 2280-D2		
NAND Flash	3D TLC		
DRAM	LPDDR4 / DDR4		
Performance			
Sequential Read	13000 MB/s	14000 MB/s	14000 MB/s
Sequential Write	9500 MB/s	12000 MB/s	12000 MB/s
4K Random Read	1300K IOPS	1400K IOPS	1400K IOPS
4K Random Write	1400K IOPS	1400K IOPS	1400K IOPS
Environmental			
Operating Temperature	0°C to 70°C		
Non-Operating Temperature	−40°C to 85°C		
Reliability & Warranty			
TBW	700 TB	1400 TB	3000 TB
MTBF	1.6 million hours		
UBER	$< 10^{-16}$ bits		