

MiPhi M300G3 PCIe Gen 3 M.2 Solid State Drive

Part Number	MP5015256G	MP5015512G	MP5015100T
Capacity	256 GB	512 GB	1 TB
Interface	PCIe Gen 3.0 x 4 NVMe 1.4		
Form Factor	M.2 2280-S2		
NAND Flash	3D TLC		
DRAM	DRAM-less		
Performance			
Sequential Read	3300 MB/s	3400 MB/s	3300 MB/s
Sequential Write	1700 MB/s	3000 MB/s	3000 MB/s
4K Random Read	400K IOPS	400K IOPS	430K IOPS
4K Random Write	600K IOPS	700K IOPS	700K IOPS
Environmental			
Operating Temperature	0°C to 70°C		
Non-Operating Temperature	−40°C to 85°C		
Reliability & Warranty			
TBW	150 TB	300 TB	600 TB
MTBF	1.5 million hours		
UBER	$< 10^{-12}$ bits		