

## MiPhi MP500G4 PCIe Gen 4 Solid State Drive

| Part Number               | MP5021512G                                     | MP5021100T      | MP5021200T       |
|---------------------------|------------------------------------------------|-----------------|------------------|
| Capacity                  | 512 GB                                         | 1 TB            | 2 TB             |
| Interface                 | PCIe Gen 4.0 x 4 NVMe 1.4                      |                 |                  |
| Form Factor               | M.2 2280   M.2 2242   M.2 2230   BGA SSD   CFX |                 |                  |
| NAND Flash                | 3D TLC                                         |                 |                  |
| DRAM                      | DRAM-less                                      |                 |                  |
| Performance               |                                                |                 |                  |
| Sequential Read           | 5000 MB/s                                      | 5000 MB/s       | 4900 MB/s        |
| Sequential Write          | 3800 MB/s                                      | 4800 MB/s       | 4750 MB/s        |
| 4K Random Read            | 440K IOPS                                      | 800K IOPS       | 800K IOPS        |
| 4K Random Write           | 920K IOPS                                      | 950K IOPS       | 950K IOPS        |
| Environmental             |                                                |                 |                  |
| Operating Temperature     | 0°C to 70°C                                    |                 |                  |
| Non-Operating Temperature | −40°C to 85°C                                  |                 |                  |
| Reliability & Warranty    |                                                |                 |                  |
| TBW                       | 300 TB (5 year)                                | 600 TB (5 year) | 1200 TB (5 year) |
| MTBF                      | 1.5 million hours                              |                 |                  |
| UBER                      | $< 10^{-16}$ bits                              |                 |                  |