



# msi

STORAGE

## SPATIUM M480 PCIe 4.0 NVMe M.2



### SPECIFICATIONS

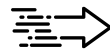
|   |   |          |
|---|---|----------|
| <b>Model Name</b>                       | SPATIUM M480 PCIe 4.0 NVMe M.2  |          |
| <b>Capacity</b>                         | 1TB   | 2TB      |
| <b>Controller</b>                       | PHISON E18  |          |
| <b>Flash Memory</b>                     | 3D NAND   |          |
| <b>DRAM Cache</b>                       | 1GB DDR4  | 2GB DDR4 |
| <b>Form Factor</b>                      | M.2 2280  |          |
| <b>Interface</b>                        | PCIe Gen4x4, NVMe 1.4   |          |
| <b>Compatibility</b>                    | PCIe Gen4 / Gen3 / Gen2 / Gen1  |          |
| <b>Dimensions</b>                       | 80.00mm (L) x 22.00mm (W) x 2.15mm (H)  |          |
| <b>Sequential Read up to (MB/s)</b>     | 7000  |          |
| <b>Sequential Write up to (MB/s)</b>    | 5500  | 6800     |
| <b>Random Read 4KB up to (IOPS)</b>     | 350,000   | 650,000  |
| <b>Random Write 4KB up to (IOPS)</b>    | 700,000   |          |
| <b>Maximum Operating Power (W)</b>      | 6.6   | 8.2      |
| <b>Idle Power PS3 (mW)</b>              | 14  | 22       |
| <b>Low Power L1.2 (mW)</b>              | 3   |          |
| <b>Operating Temperatures</b>           | 0°C - 70°C  |          |
| <b>Storage Temperatures</b>             | -40°C - 85°C  |          |
| <b>Terabytes Written (TBW)</b>          | 700   | 1400     |
| <b>Mean Time Between Failure (MTBF)</b> | Up to 1,600,000 Hours   |          |
| <b>Limited Warranty</b>                 | 5 Years, or the coverage for the maximum TBW as stated, whichever comes first.  |          |
| <b>Advanced Features</b>                | TRIM (Performance Optimization, OS support required)<br>SMART (Self-Monitoring, Analysis and Reporting Technology)<br>LDPC (Low Density Parity Check) ECC Algorithm<br>End to End Data Path Protection<br>APST (Autonomous Power State Transition)<br>AES256/TCG OPAL2.0/Pyrite (Encryption, Data Security) |          |

### FEATURES



#### 3D NAND Flash

La technologie 3D NAND Flash offre un stockage dense dans un design compact et permet un espace de stockage allant jusqu'à 2 To.



#### Une vitesse impressionnante

Ce SSD est pensé pour supporter l'interface PCIe Gen4.



#### Sécurité et fiabilité

Des fonctions intégrées de protection de données et de correction des erreurs améliorent l'endurance et la durée de vie des périphériques de stockage équipés de la technologie NAND Flash.



#### Garantie 5 ans

Pour vous assurer une sérénité totale, le SSD SPATIUM M480 est garanti pendant 5 ans.