



STORAGE

SPATIUM M450 PCIe 4.0 NVMe M.2

SPATIUM M450 PCIe 4.0 NVMe M.2 1TB

Specification

Model Name	SPATIUM M450 PCIe 4.0 NVMe M.2
Capacity	1TB
Controller	PHISON E19T
Flash Memory	3D NAND
Form Factor	M.2 2280
Interface	PCIe Gen4x4, NVMe 1.4
Compatibility	PCIe Gen4 / Gen3 / Gen2 / Gen1
Dimensions	80.00mm (L) x 22.00mm (W) x 2.15mm (H)
Sequential Read up to (MB/s)	3600
Sequential Write up to (MB/s)	3000
Random Read 4KB up to (IOPS)	420000
Random Write 4KB up to (IOPS)	550000
Maximum Operating Power (W)	4
Idle Power PS3 (mW)	40
Low Power L1.2 (mW)	5
Operating Temperatures	0°C - 70°C
Storage Temperatures	-40°C - 85°C
Terabytes Written (TBW)	600
Mean Time Between Failure (MTBF)	Up to 1,500,000 Hours
Limited Warranty	5 Years, or the coverage for the maximum TBW as stated, whichever comes first.
Advanced Features	TRIM (Performance Optimization, OS support required) SMART (Self-Monitoring, Analysis and Reporting Technology) LDPC (Low Density Parity Check) ECC Algorithm End to End Data Path Protection APST (Autonomous Power State Transition)