



STORAGE

## SPATIUM M450 PCIe 4.0 NVMe M.2

SPATIUM M450 PCIE 4.0 NVME M.2 500GB

## Specification

<b>Model Name</b>	SPATIUM M450 PCIe 4.0 NVMe M.2
<b>Capacity</b>	500GB
<b>Controller</b>	PHISON E19T
<b>Flash Memory</b>	3D NAND
<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>	3600
<b>Sequential Write up to (MB/s)</b>	2300
<b>Random Read 4KB up to (IOPS)</b>	300000
<b>Random Write 4KB up to (IOPS)</b>	550000
<b>Maximum Operating Power (W)</b>	3.4
<b>Idle Power PS3 (mW)</b>	40
<b>Low Power L1.2 (mW)</b>	5
<b>Operating Temperatures</b>	0°C - 70°C
<b>Storage Temperatures</b>	-40°C - 85°C
<b>Terabytes Written (TBW)</b>	300
<b>Mean Time Between Failure (MTBF)</b>	Up to 1,500,000 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) 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)