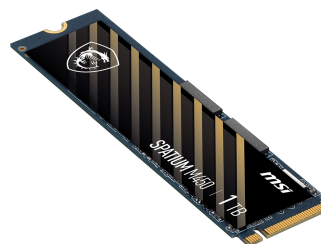
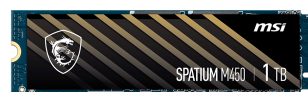




# msi

STORAGE

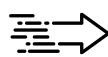
## SPATIUM M450 PCIe 4.0 NVMe M.2



### SPECIFICATIONS

<b>Model Name</b>	SPATIUM M450 PCIe 4.0 NVMe M.2		
<b>Capacity</b>	250GB	500GB	1TB
<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>	3500	3600	3600
<b>Sequential Write up to (MB/s)</b>	1200	2300	3000
<b>Random Read 4KB up to (IOPS)</b>	150,000	300,000	420,000
<b>Random Write 4KB up to (IOPS)</b>	300,000	550,000	550,000
<b>Maximum Operating Power (W)</b>	3.4	3.4	4.0
<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>	150	300	600
<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) TCG Pyrite (Encryption, Data Security)		

### FEATURES



#### Blazing Speeds

Optimized for the PCIe Gen4 interface.



#### 3D NAND Flash

3D NAND Flash technology brings dense storage in a compact design and allows storage capacities up to 1TB.



#### Security & Reliability

Built-in data security and error-correction capabilities extend the longevity of the NAND flash storage.



#### 5 Years Warranty

MSI stands by the quality and reliability of their SSD's with a 5 year limited warranty.