



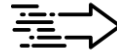
msi

STORAGE

SPATIUM M450 PCIe 4.0 NVMe M.2 V1



FEATURES



Blazing Speeds
Optimized for the PCIe Gen4 interface



3D NAND
The 3D NAND flash technology brings dense storage in a compact design and allows storage capacities up to 2TB.



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



Low Latency Gaming
Enjoy minimal latency in smooth gameplay and loading games with optimized high-performance bandwidth and throughput.



Nonstop Creativity Booster
Keep up nonstop productivity by opening up images, movies, documents, and heavy-duty applications at lightning speeds.



MSI Center
Migrate data with backup & restore functionality, monitor drive health and performance metrics in real-time in MSI Center.



Optimal M.2 SSD
Designed in the M.2 2280 form factor, MSI SSDs are easy to install into external enclosures, desktops, or laptops.



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

SPECIFICATIONS

Marketing Name	SPATIUM M450 PCIe 4.0 NVMe M.2 V1	
Capacity	1TB	2TB
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)	3400	3300
Sequential Write up to (MB/s)	2400	2500
Random Read 4KB up to (IOPS)	500,000	440,000
Random Write 4KB up to (IOPS)	550,000	560,000
Maximum Operating Power (W)	3.7	3.8
Idle Power PS3 (mW)	35	35
Low Power L1.2 (mW)	5	5
Operating Temperatures	0°C – 70°C	
Storage Temperatures	-40°C – 85°C	
Terabytes Written (TBW)	350	700
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) Pyrite (Encryption, Data Security)	