



msi® STORAGE

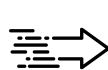
SPATIUM M390 NVMe M.2



SPECIFICATIONS

Model Name	SPATIUM M390 NVMe M.2			
Capacity	250GB	500GB	1TB	2TB
Controller	PHISON E15T			
Flash Memory	3D NAND			
Form Factor	M.2 2280			
Interface	PCIe Gen3x4, NVMe 1.4			
Compatibility	PCIe Gen3 / Gen2 / Gen1			
Dimensions	80.00mm (L) x 22.00mm (W) x 2.15mm (H)			
Sequential Read up to (MB/s)	3300			
Sequential Write up to (MB/s)	1200	2300	3000	3000
Random Read 4KB up to (IOPS)	150K	300K	420K	420K
Random Write 4KB up to (IOPS)	300K	550K	550K	550K
Maximum Operating Power (W)	3.2	3.2	4.0	4.3
Idle Power PS3 (mW)	30			
Low Power L1.2 (mW)	5			
Operating Temperatures	0°C - 70°C			
Storage Temperatures	-40°C - 85°C			
Terabytes Written (TBW)	150	200	400	1200
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) AES256/TCG Pyrite (Encryption, Data Security)			

FEATURES



Blazing Speeds

Optimized for the PCIe Gen3 interface.



3D NAND Flash

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



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.