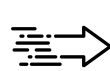




FEATURES



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.



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

Monitor SSD health status and key performance metrics in real time via MSI Center for stable and reliable system performance.



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 Years Warranty

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

SPECIFICATIONS

Model Name	SPATIUM M371 NVMe M.2		
Capacity	500GB	1TB	2TB
Controller	PHISON E13T		
Flash Memory	3D NAND		
Form Factor	M.2 2280		
Interface	PCIe Gen3x4, NVMe 1.3		
Compatibility	PCIe Gen3 / Gen2 / Gen1		
Dimensions	80.00mm (L) x 22.00mm (W) x 2.15mm (H)		
Sequential Read up to (MB/s)	2200	2350	2350
Sequential Write up to (MB/s)	1150	1700	1900
Random Read 4KB up to (IOPS)	60,000	90,000	135,000
Random Write 4KB up to (IOPS)	200,000	280,000	350,000
Maximum Operating Power (W)	2.4	3.2	3.4
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)	110	210	480
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)		

TEST CONFIGURATION

Sequential and random performance, and power consumption were measured with the system configurations listed below. All performance data was tested with the SSD as a secondary drive.

Interface	PCIe Gen3x4
Operating System	Windows 11 Pro 21H2 OS Build 22000.795
CPU	12 th Gen Intel Core i7-12700KF @3.60GHz
Memory	Crucial DDR4-2400 8G x2
Chipset	PRO Z690-A WIFI DDR4
Test Program	Crystal Diskmark 8.04, ATTO Disk Benchmark V4.01.0f1, IO Meter v1.1.0