



SPECIFICATIONS

Model Name	SPATIUM S270 SATA 2.5"			
Capacity	120GB	240GB	480GB	960GB
Controller	PHISON S11			
Flash Memory	3D NAND			
Form Factor	SATA 2.5"			
Interface	SATA III 6Gbps			
Compatibility	SATA III (6Gbps) / II (3Gbps) / I (1.5Gbps)			
Dimensions	100.20mm (L) x 69.85mm (W) x 7.00mm (H)			
Sequential Read up to (MB/s)	500			
Sequential Write up to (MB/s)	360	400	450	450
Random Read 4KB up to (IOPS)	38,000	50,000	55,000	55,000
Random Write 4KB up to (IOPS)	72,000	80,000	80,000	80,000
Maximum Operating Power (W)	1.8	1.7	2.0	2.1
Idle Power PS3 (mW)	325	325	335	330
Low Power L1.2 (mW)	4.9			
Operating Temperatures	0°C - 70°C			
Storage Temperatures	-40°C - 85°C			
Terabytes Written (TBW)	40	110	250	500
Mean Time Between Failure (MTBF)	Up to 2,000,000 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 Over-Provision			

FEATURES



Security & Reliability

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



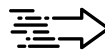
5 Years Warranty

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



MSI Center

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



Blazing Speeds

Optimized for the SATA III interface.



3D NAND Flash

3D NAND flash technology brings dense storage in a compact design and allows storage capacities up to 960GB.



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.

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	SATA Gen 3 (6Gbps)
Operating System	Windows 11 Pro 21H2 OS Build 22000.778
CPU	11 th Gen Intel Core i7-11700KF @3.60GHz
Memory	Crucial DDR4-2400 8G x2
Chipset	MSI MPG Z590 GAMING CARBON WIFI
Test Program	Crystal Diskmark 8.04, ATTO Disk Benchmark V4.01.0f1, IO Meter v1.1.0