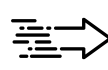




## FEATURES



### 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.



### 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

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



### 5 Years Warranty

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

## SPECIFICATIONS

<b>Model Name</b>	SPATIUM S270 SATA 2.5"			
<b>Capacity</b>	120GB	240GB	480GB	960GB
<b>Controller</b>	PHISON 11	PHISON S11	PHISON S11	PHISON S11
<b>Flash Memory</b>	3D NAND			
<b>Form Factor</b>	SATA 2.5"			
<b>Interface</b>	SATA III 6Gbps			
<b>Compatibility</b>	SATA III (6Gbps) / II (3Gbps) / I (1.5Gbps)			
<b>Dimensions</b>	100.20mm (L) x 69.85mm (W) x 7.00mm (H)			
<b>Sequential Read up to (MB/s)</b>	500			
<b>Sequential Write up to (MB/s)</b>	360	400	450	450
<b>Random Read 4KB up to (IOPS)</b>	38,000	50,000	55,000	55,000
<b>Random Write 4KB up to (IOPS)</b>	72,000	80,000	80,000	80,000
<b>Maximum Operating Power (W)</b>	1.8	1.7	2.0	2.1
<b>Idle Power PS3 (mW)</b>	325	325	335	330
<b>Low Power L1.2 (mW)</b>	4.9			
<b>Operating Temperatures</b>	0°C - 70°C			
<b>Storage Temperatures</b>	-40°C - 85°C			
<b>Terabytes Written (TBW)</b>	40	110	250	500
<b>Mean Time Between Failure (MTBF)</b>	Up to 2,000,000 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 Over-Provision			

## 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.

<b>Interface</b>	SATA Gen 3 (6Gbps)
<b>Operating System</b>	Windows 11 Pro 21H2 OS Build 22000.778
<b>CPU</b>	11 <sup>th</sup> Gen Intel Core i7-11700KF @3.6GHz
<b>Memory</b>	Crucial Technology DDR4 -2400 8G x2
<b>Chipset</b>	MSI MPG Z590 GAMING CARBON WIFI
<b>Test Program</b>	Crystal Diskmark 8.04 , ATTO Disk Benchmark V4.01.0f1 , IO Meter v1.1.0