

## 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 | 100.20 mm (L) $\times 69.85 \mathrm{~mm}(\mathrm{~W}) \times 7.00 \mathrm{~mm}$ (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 | $0^{\circ} \mathrm{C}-70^{\circ} \mathrm{C}$ |  |  |  |
| Storage Temperatures | $-40^{\circ} \mathrm{C}-85^{\circ} \mathrm{C}$ |  |  |  |
| 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) <br> SMART (Self-Monitoring, Analysis and Reporting Technology) <br> LDPC (Low Density Parity Check) ECC <br> Algorithm <br> Over-Provision |  |  |  |



## FEATURES



## 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.

## 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.

