



# msi

## STORAGE

### SPATIUM M560 PCIe 5.0 NVMe M.2



## SPECIFICATIONS

|                                  |                                                                                                                                                                                                                                                    |           |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Marketing Name                   | SPATIUM M560 PCIe 5.0 NVMe M.2                                                                                                                                                                                                                     |           |
| Capacity                         | 1TB                                                                                                                                                                                                                                                | 2TB       |
| Controller                       | PHISON E31T                                                                                                                                                                                                                                        |           |
| Flash Memory                     | 3D NAND                                                                                                                                                                                                                                            |           |
| Form Factor                      | M.2 2280                                                                                                                                                                                                                                           |           |
| Interface                        | PCIe Gen5x4, NVMe 2.0                                                                                                                                                                                                                              |           |
| Compatibility                    | PCIe Gen5 / Gen4 / Gen3 / Gen2 / Gen1                                                                                                                                                                                                              |           |
| Dimensions                       | 80.00mm (L) x 22.00mm (W) x 2.15mm (H)                                                                                                                                                                                                             |           |
| Sequential Read up to (MB/s)     | 10,200                                                                                                                                                                                                                                             | 10,300    |
| Sequential Write up to (MB/s)    | 8,400                                                                                                                                                                                                                                              | 8,700     |
| Random Read 4KB up to (IOPS)     | 1,300,000                                                                                                                                                                                                                                          | 1,300,000 |
| Random Write 4KB up to (IOPS)    | 1,400,000                                                                                                                                                                                                                                          | 1,400,000 |
| Maximum Operating Power (W)      | 5.9                                                                                                                                                                                                                                                | 5.9       |
| Idle Power PS3 (mW)              | 50                                                                                                                                                                                                                                                 |           |
| Low Power L1.2 (mW)              | 3.5                                                                                                                                                                                                                                                |           |
| Operating Temperatures           | 0°C – 70°C                                                                                                                                                                                                                                         |           |
| Storage Temperatures             | -40°C – 85°C                                                                                                                                                                                                                                       |           |
| Terabytes Written (TBW)          | 600                                                                                                                                                                                                                                                | 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)<br>SMART (Self-Monitoring, Analysis and Reporting Technology)<br>LDPC (Low Density Parity Check) ECC Algorithm<br>End to End Data Path Protection<br>APST (Autonomous Power State Transition) |           |

## FEATURES



### Supercharged with Gen 5

The PCIe Gen 5 controller empowers next-level storage transfer rates faster than previous-gen SSDs by up to 1.8 times.



### 3D NAND

The 3D NAND flash technology brings dense storage in a compact design and allows storage capacities up to 4TB.



### Multiple Security

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.



### Optimal M.2 SSD

Designed in the M.2 2280 form factor, MSI SSDs are easy to install into desktops.



### 5-Year Warranty

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