

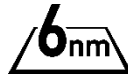


FEATURES



Exclusive DLP Power-Loss Data Protection

Secures critical data during unexpected power outages and reduces the risk of data disappearing.



TSMC 6nm Controller

Built on TSMC's cutting-edge 6nm process, enhanced controller thermal stability under heavy load.



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 Flash

3D NAND Flash technology brings dense storage in a compact design and allows storage capacities up to 2TB.



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 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 M571 DLP PCIe 5.0 NVMe M.2 | | |
| Capacity | 1TB | 2TB | 4TB |
| Controller | PHISON E28 | | |
| Flash Memory | 3D NAND | | |
| Form Factor | M.2 2280 | | |
| Interface | PCIe Gen5x4, NVMe 2.0 | | |
| Compatibility | PCIe Gen5 / PCIe Gen4 / Gen3 / Gen2 / Gen1 | | |
| Dimensions | 80.00mm(L) x 22.00mm(W) x 2.15mm(H) | | |
| Sequential Read up to (MB/s) | 14500 | 14500 | 14500 |
| Sequential Write up to (MB/s) | 11000 | 11000 | 11000 |
| Random Read 4KB up to (IOPS) | 1300K | 2500K | 2600K |
| Random Write 4KB up to (IOPS) | 2600K | | |
| Maximum Operating Power (W) | 6.5 | | |
| 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) | 700 | 1400 | 2800 |
| 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 | -Wear Leveling (Extends NAND flash lifespan) -Bad Block Management (Prevent unstable data storage) -Over-Provision (Improve performance, endurance, and reduce write amplification) -Firmware Upgrade (Updates device instructions to add features, fix issues, and enhance performance) -TRIM (Performance Optimization, OS support required) -SMART (Self-Monitoring, Analysis and Reporting Technology) | | |

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 GEN5X4 |
| Operating System | Windows 11 Pro 23H2 |
| CPU | AMD Ryzen 9 7950X 16-Core @4.50 GHz |
| Memory | Kingston DDR5-4800 16G x2 |
| Chipset | MSI MPG X670E CARBON WIFI |
| Test Program | Crystal Diskmark 8.0.4, ATTO Disk Benchmark V4.01.0f1, IO Meter v1.1.0 |