

SPATIUM M480 PRO PCIe 4.0 NVMe M.2 PLAY



SPECIFICATIONS

| | | | |
|---|---|-----------|-----------|
| Model Name | SPATIUM M480 PRO PCIe 4.0 NVMe M.2 PLAY | | |
| Capacity | 1TB | 2TB | 4TB |
| Controller | PHISON E18 | | |
| Flash Memory | 3D NAND | | |
| DRAM Cache | 1GB DDR4 | 2GB DDR4 | 2GB DDR4 |
| Form Factor | M.2 2280 | | |
| Interface | PCIe Gen4 x4, NVMe 1.4 | | |
| Compatibility | PCIe Gen4 / Gen3 / Gen2 / Gen1 | | |
| Dimensions | 80.40mm (L) x 24.00mm (W) x 10.70mm (H), PS5 Compatible | | |
| Sequential Read up to (MB/s) | 7400 | | |
| Sequential Write up to (MB/s) | 6000 | 7000 | 7000 |
| Random Read 4KB up to (IOPS) | 750,000 | 1,000,000 | 1,000,000 |
| Random Write 4KB up to (IOPS) | 1,000,000 | | |
| Maximum Operating Power (W) | 9.5 | 10.5 | 11.3 |
| Idle Power PS3 (mW) | 40 | 45 | 50 |
| Low Power L1.2 (mW) | 3 | | |
| Operating Temperatures | 0°C - 70°C | | |
| Storage Temperatures | -40°C - 85°C | | |
| Terabytes Written (TBW) | 700 | 1400 | 3000 |
| Mean Time Between Failure (MTBF) | Up to 1,600,000 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 End to End Data Path Protection APST (Autonomous Power State Transition) AES256/Pyrite (Encryption, Data Security) | | |

FEATURES

- PS5 Compatible Heatsink**
Sleek dual finish aluminum heatsink designed to fit the PS5 ensures maximum performance across all platforms.
- Blazing Speeds**
Optimized for the PCIe Gen4 interface.
- 3D NAND**
The 3D NAND flash technology brings dense storage in a compact design and allows storage capacities up to 4TB.
- 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**
Monitor SSD health status and key performance metrics in real time via MSI Center for stable and reliable system performance.
- 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.

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.

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|-------------------------|--|
| Interface | PCIe Gen 4.0 x4 |
| Operating System | Windows 11 Pro 22H2 OS Build 22621.1105 |
| CPU | AMD Ryzen 9 7950X 16-Core @4.60 GHz |
| Memory | KingSton DDR5-4800 16G x2 |
| Chipset | MSI MEG X670E ACE |
| Test Program | Crystal Diskmark 8.04c , ATTO Disk Benchmark V4.01.0f1 , IO Meter v1.1.0 |