STORAGE

SPATIUM M470 PRO PCIe 4.0 NVMe M.2



SPECIFICATIONS

Model Name	SPATIUM M470 PRO PCIe 4.0 NVMe M.2		
Capacity	500GB	1TB	2TB
Controller	PHISON E27T / PHISON E33		
Flash Memory	3D NAND		
Form Factor	M.2 2280		
Interface	PCIe Gen4 x4, NVMe 1.4		
Compatibility	PCIe Gen4 / Gen3 / Gen2 / Gen1		
Dimensions	80.00mm (L) x 22.00mm (W) x 2.15mm (H)		
Sequential Read up to (MB/s)	5500	6000	6000
Sequential Write up to (MB/s)	3600	4500	5000
Random Read 4KB up to (IOPS)	500,000	950,000	950,000
Random Write 4KB up to (IOPS)	900,000	950,000	950,000
Maximum Operating Power (W)	4.3	4.5	4.5
Idle Power PS3 (mW)	50		
Low Power L1.2 (mW)	5		
Operating Temperatures	0°C – 70°C		
Storage Temperatures	-40°C – 85°C		
Terabytes Written (TBW)	160	320	640
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) 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) Pyrite (Encryption, Data Security)		

FEATURES

Blazing Speeds

Optimized for the PCIe Gen4 interface.

3D NAND Flash

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

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.

22 x 80

Optimal M.2 SSD

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

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