

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	7400	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	1,000,000	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	3	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)		

-The MSI Product Marketing Team-