



SPECIFICATIONS

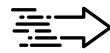
Model Name	M370 NVMe M.2
Controller	PHISON E13T
Capacity	256GB / 512GB / 1TB / 2TB
Flash Memory	3D NAND
Form Factor	M.2 2280-S2-M
Interface	PCIe Gen3x4, NVMe 1.3
Compatibility	PCIe Gen3 / Gen2 / Gen1
Dimensions	80.00mm (L) x 22.00mm (W) x 2.15mm (H)
Sequential Read up to (MB/s)	256GB: 2300 512GB: 2400 1TB: 2400 2TB: 2400
Random Read 4KB up to (IOPS)	256GB: 150,000 512GB: 210,000 1TB: 215,000 2TB: 220,000
Random Write 4KB up to (IOPS)	256GB: 230,000 512GB: 350,000 1TB: 330,000 2TB: 330,000
Maximum Operating Power (W)	256GB: 3.4 512GB: 3.5 1TB: 3.6 2TB: 3.7
Idle Power PS3 (mW)	20
Operating Temperatures	0°C - 70°C
Storage Temperatures	-40°C - 85°C
Terabytes Written (TBW)	256GB: 200 512GB: 400 1TB: 800 2TB: 1600
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.

FEATURES



3D NAND Flash

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



Blazing Speeds

Optimized for the PCIe Gen3 interface.



Security & Reliability

Built-in data security and error-correction capabilities extend the longevity of the NAND flash storage.



3D NAND Flash

3D NAND Flash technology brings dense storage in a compact design and allows storage capacities up to 1TB.



5 Years Warranty

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



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/TCG OPAL2.0/Pyrite (Encryption, Data Security)