

Product Specification

500 GB M4 SERIES M.2 2280 PCIe GEN4 NVME SSD



The M4 Series is a high-performance Gen4 SSD range that delivers exceptional loading times and responsiveness for extreme gaming, video and photo editing, 3D rendering, machine & deep learning. These SSDs reach speeds of up to 5000MB/s read, 4800MB/s write (Sequential Speed) and 800K IOPS read, 950K write (Random Speed).

- Extremely fast Gen4 SSD up to 5000MB/s read, 3850MB/s write (Sequential Speed); up to 440K IOPS read, 920K IOPS write (Random Speed)
- Latest Gen4 high-performance SSD - Ideal for high-end computers, laptops, motherboards and workstations
- Extreme computing experience - Exceptional loading times and responsiveness for extreme gaming, video and photo editing, 3D rendering, machine & deep learning
- Install and boot in seconds - Supports M.2 NVMe PCIe Gen4 x4 connection
- Extremely small and sleek - Perfect for all customised gaming builds
- TCG Pyrite encryption
- 5 year warranty or TBW - whichever is earlier applies

SKU	INSSD500GM280NM4
EAN	5055288449053

	Width (mm)	Depth (mm)	Height (mm)	Weight (g)
Product	22	80	0.8	6.4
Packaging	55	10	155	37.8

Capacity (GB)	500 GB
Component for	PC
Form factor	M.2
Mean time between failures (MTBF) (hour)	1500000
TBW rating	300
Flash type	TLC
NVMe (Y/N)	Y
Controller type	Phison E21
S.M.A.R.T. support (Y/N)	Y
TRIM support (Y/N)	Y
Read speed (MB per second)	5000
Write speed (MB per second)	3850
Random read (4KB) (Input/Output Operations Per Second)	440000
Random write (4KB) (Input/Output Operations Per Second)	920000
Operating voltage (Volt)	3.47
Power consumption (read) (Watt)	4.1
Power consumption (write) (Watt)	4.1
Hardware encryption (Y/N)	N
TCG OPAL 2.0 Compliant	TCG PYRITE

Protection features	Shock resistant
Interface	PCIe Gen4x4
Operating temperature (T-T) (degrees Celcius)	0 - 70
Storage temperature (T-T) (degrees Celcius)	-40 - 85
Operating relative humidity (H-H) (percent)	0 - 90
Sustainability certificates	RoHS
Certification	UKCA, CE, FCC, RoHS