

Product Specification

500 GB M3 PLUS SERIES M.2 2280 PCIE GEN4 NVME SSD



The M3 Plus 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, 2600MB/s write (Sequential Speed) and 360K IOPS read, 850K write (Random Speed).

- Extremely fast Gen4 SSD up to 5000MB/s read, 2600MB/s write (Sequential Speed); up to 360K IOPS read, 520K 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
- 5 year warranty or TBW - whichever is earlier applies

SKU	INSSD500GM280NM3P
EAN	5055288449381

	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	1024
Flash type	TLC
NVMe (Y/N)	Y
Controller type	MAS
S.M.A.R.T. support (Y/N)	Y
TRIM support (Y/N)	Y
Read speed (MB per second)	5000 MB/s
Write speed (MB per second)	2600 MB/s
Random read (4KB) (Input/Output Operations Per Second)	360000
Random write (4KB) (Input/Output Operations Per Second)	520000
Operating voltage (Volt)	3.3
Power consumption (read) (Watt)	3.4
Power consumption (write) (Watt)	3.1
Hardware encryption (Y/N)	N

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)	5-95
Sustainability certificates	RoHS
Certification	UKCA, CE, FCC, RoHS