2TB EDGE GEN5 M.2 2280 NVME SOLID STATE DRIVE WITH HEATSINK

Push the Boundaries with the Integral Edge Gen5 M.2 2280 NVMe SSD, providing blister speeds of up to 12000MB/s read, 10000MB/s write and 1400K read/write speeds IOPS. Using the latest, Gen5x 4 controller technology, our latest Edge series NVMe Solid State Drives push the limits over the edge of what is possible! Whether it's for gaming, video and photo editing, 3D rendering, machine or deep learning, you have never experienced speed and performance like this with up to 40% faster read and write speeds compared to the previous Gen4 generation SSDs!

12000MB/s Read*
10000MB/s Write*

* Based on internal testing; performance may vary depending on host device.

- **Pushing the Boundaries for Unparalleled Performance -** With unprecedented power, the Integral Edge Gen5 SSD series offers breath-taking speeds of up to 12000MB/s read and 10000MB/s write, up to 40% faster than current Gen4 SSDs, you have never experienced performance like it!
- **Cutting Edge Technology for Next Level Gaming -** Load quicker, render faster and utilise your GPU to free your system, exceeding the known horizon of gaming possibilities.
- **The Edge of the Horizon Has Never Felt So Cool -** Adopting a customised aluminium heatsink construction for exceptional airflow, your Gen 5 SSD will stay cool in the heat of the moment, driving optimised gaming and rendering performance. By keeping temperatures stable, the Integral Edge M.2 NVMe SSD's leading heatsink technology reduces throttle and maintains superior processing capacity.

- **Supports S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology) -** an open standard that allows a solid-state drive to automatically detect its health and report potential failure.
- **Supports TRIM commands -** TRIM is a feature which helps improve the read/write performance and speed of solid-state drives (SSD) by identifying blocks of data that are no longer in use and removing these permanently. This prevents unused data from occupying blocks and therefore increases performance.
- **Compatible** with PCIe Gen5 motherboards (Intel Z690 and Z790, AMD 600) and compatible with PCIe Gen4 motherboards and Gaming Consoles
- **5-year warranty or TBW -** whichever is earlier applies

Capacity:	2TB
Component For:	PC
Form Factor:	M.2 2280
Mean time between failures (MTBF/ Hour):	1 600 000
TBW Rating:	1400
Flash Type:	TLC
NVMe:	Y
S.M.A.R.T Support:	Y
TRIM Support:	Y
Read Speed:	12000MB/s
Write Speed:	10000MB/s
IOPS Read:	1400K
IOPS Write:	1400K
Operating Voltage:	3.14 V- 3.47V
Power Consumption (Read)(Watt):	11.5W
Power Consumption (Write)(Watt):	11.5W
Hardware Encryption:	No

TECHNICAL SPECS:

Protection Features:	Support SMART & TRIM commands
Interface:	PCIe Gen5 x 4
Operating temperature (T-T) (degrees Celsius):	0°C ~ 70°C
Storage temperature (T-T) (degrees Celsius):	-40°C ~ 85°C
Operating relative humidity (H-H) (Percent):	90% RH
Sustainability Certificates:	RoHS compliant
Certification:	UKCA, CE

	PART CODE	BARCODE (EAN)
2TB	INSSD2TM2280G5EDGEHSX	5055288449909

	HEIGHT	WIDTH	DEPTH	WEIGHT
Product	80mm	22mm	3.5mm	7.4g
Packed	145mm	73mm	40mm	55g