

Product Specification

500 GB ADVANTAGE PRO-1 M.2 2280 PCIE GEN4 NVME SSD WITH HEATSINK



The Advantage PRO-1 is Integral's fastest Gen4 SSD range with heatsink that delivers an ultimate performance, meeting the most demanding gaming, video and photo editing, 3D rendering, machine & deep learning and VR needs. These SSDs reach the fastest speeds of up to 7200MB/s read, 6850MB/s write (Sequential Speed) and 1000K IOPS read, 1000K write (Random Speed).

- Get the Advantage - Lightning-fast Gen4 performance up to 7000MB/s read, 3000MB/s write (Sequential Speed), and up to 450K IOPS read, 700K IOPS write (Random Speed)
- Revolutionary Phison E18 Controller
- The built-in heatsink provides optimal heat dissipation to reduce thermal throttling, and maximise the peak performance for an incredibly smooth gaming experience
- Store & play more games on your PS5 - Installs in seconds into the M.2 slot
- Built for top-tier gaming and high-performance PCs - Incredibly short load times for an insane gaming experience. Also Ideal for smooth video and photo editing, 3D rendering, machine & deep learning and VR
- Compatible with a wide range of motherboards - GIGABYTE, MSI, ASUS ROG, ASUS TUF GAMING, MAG
- TCG Opal 2.0 and Pyrite encryption
- Comes with a sturdy metal case
- 5 year warranty or TBW - whichever is earlier applies

SKU	INSSD500GM2280GEN4AP1XHS
EAN	5055288448612

	Width (mm)	Depth (mm)	Height (mm)	Weight (g)
Product	24	80	10	37.8
Packaging	65	12	100	73.2

Capacity (GB)	500 GB
Component for	PC
Form factor	M.2
Mean time between failures (MTBF) (hour)	1600000
TBW rating	350
Flash type	TLC
NVMe (Y/N)	Y
Controller type	Phison E18
S.M.A.R.T. support (Y/N)	Y
TRIM support (Y/N)	Y
Read speed (MB per second)	7000
Write speed (MB per second)	3000
Random read (4KB) (Input/Output Operations Per Second)	450000
Random write (4KB) (Input/Output Operations Per Second)	700000
Operating voltage (Volt)	3.47
Power consumption (read) (Watt)	6.4
Power consumption (write) (Watt)	5.3
Hardware encryption (Y/N)	N
TCG OPAL 2.0 Compliant	TCG OPAL 2.0 AND 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