

Product Specification

1 TB (1000 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 7200MB/s read, 6000MB/s write (Sequential Speed), and up to 750K IOPS read, 1000K 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	INSSD1TM2280GEN4AP1XHS
EAN	5055288448551

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

Capacity (GB)	1 TB (1000 GB)
Component for	PC
Form factor	M.2
Mean time between failures (MTBF) (hour)	1600000
TBW rating	700
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)	7200
Write speed (MB per second)	6000
Random read (4KB) (Input/Output Operations Per Second)	750000
Random write (4KB) (Input/Output Operations Per Second)	1000000
Operating voltage (Volt)	3.47
Power consumption (read) (Watt)	6.6
Power consumption (write) (Watt)	6.7
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