

# Product Specification

## 2 TB (2000 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, 6850MB/s write (Sequential Speed), and up to 1000K 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

<b>SKU</b>	INSSD2TM2280GEN4AP1XHS
<b>EAN</b>	5055288448575

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

<b>Capacity (GB)</b>	2 TB (2000 GB)
<b>Component for</b>	PC
<b>Form factor</b>	M.2
<b>Mean time between failures (MTBF) (hour)</b>	1600000
<b>TBW rating</b>	1400
<b>Flash type</b>	TLC
<b>NVMe (Y/N)</b>	Y
<b>Controller type</b>	Phison E18
<b>S.M.A.R.T. support (Y/N)</b>	Y
<b>TRIM support (Y/N)</b>	Y
<b>Read speed (MB per second)</b>	7200
<b>Write speed (MB per second)</b>	6850
<b>Random read (4KB) (Input/Output Operations Per Second)</b>	1000000
<b>Random write (4KB) (Input/Output Operations Per Second)</b>	1000000
<b>Operating voltage (Volt)</b>	3.47
<b>Power consumption (read) (Watt)</b>	8.1
<b>Power consumption (write) (Watt)</b>	7.4
<b>Hardware encryption (Y/N)</b>	N
<b>TCG OPAL 2.0 Compliant</b>	TCG OPAL 2.0 AND PYRITE

<b>Protection features</b>	Shock resistant
<b>Interface</b>	PCIe Gen4x4
<b>Operating temperature (T-T) (degrees Celcius)</b>	0 - 70

<b>Storage temperature (T-T) (degrees Celcius)</b>	-40 - 85
<b>Operating relative humidity (H-H) (percent)</b>	0 - 90
<b>Sustainability certificates</b>	RoHS
<b>Certification</b>	UKCA, CE, FCC, RoHS