GOOD DESIGN AWARD 2022
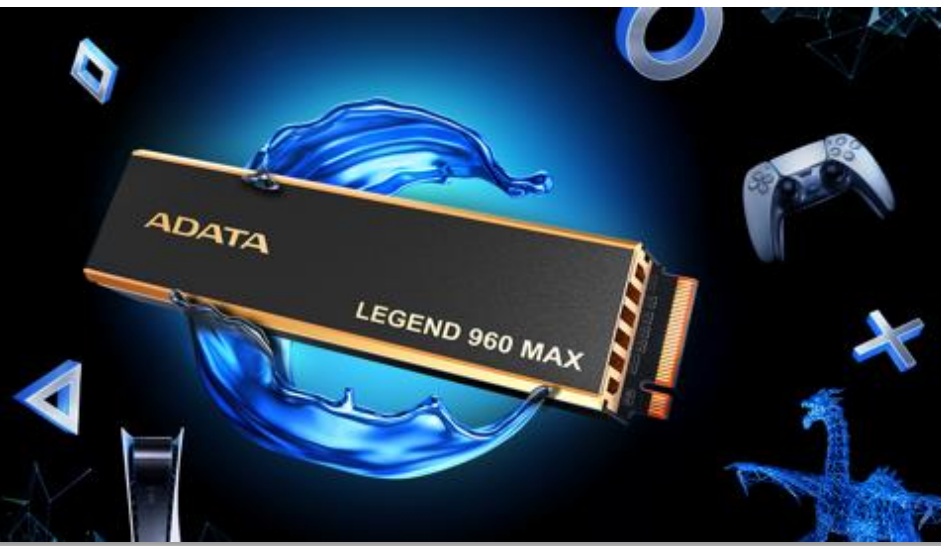
LEGEND 960 MAX
PCIe Gen4 x4 M.2 2280 SSD

UNLIMITED CREATIVITY

LEGEND 960 MAX PCIe Gen4 x4 M.2 2280 Solid State Drive

With a finned heat sink design and the latest PCIe 4.0, LEGEND 960 MAX offers you brilliant read and write speeds of 7,400/6,800 MB/s while maintaining stable performance. Moreover, LEGEND 960 MAX not only provides capacities of up to 4TB that work perfectly well with PS5 as expanded storage but also supports the latest Intel and AMD platforms, making it the holy grail for all creative masters!

Features

- Ultra-fast PCIe Gen4 x4 interface
- Compliant with NVMe 1.4
- R/W speed up to 7,400/6,800MB/s
- Work with PS5
- Read speed up to 6,400MB/s for PS5
- Up to 4TB
- SLC caching
- DRAM cache buffer
- Advanced hardware LDPC ECC Technology
- AES 256-bit encryption support
- Great upgrade option for creators
- Compact M.2 2280 form factor – Designed for professional-level tasks such as 3D graphics, film production, computer-aided engineering, etc.
- Free software: SSD ToolBox

Ordering Information

Capacity	Model Number	EAN Code
1TB	ALEG-960M-1TCS	4711085938855
2TB	ALEG-960M-2TCS	4711085938862
4TB	ALEG-960M-4TCS	4711085938879

Specifications

- Capacity: 1TB / 2TB / 4TB
- Controller: SMI SM2264
- NAND Flash: 3D NAND
- Interface: PCIe Gen4 x4
- Form Factor: M.2 2280
- Sequential read/write (Max.):
  Up to 7,400/6,800MB/s (PC/laptop)
  Read speed up to 6,400MB/s (PS5)
- 4K random read/write IOPS (Max.): 750K/630K
- Operating Temperature: 0°C-70°C
- Storage Temperature: -40°C-85°C
- Shock Resistance: 1500G/0.5ms

- Dimensions (L x W x H):
  80.6 x 23.2 x 10.65mm (with heat sink)
  80 x 22 x 3.3mm (without heat sink)
- Weight:
  w/ heat sink：36.6g / 1.3oz
  w/o heat sink：7.3g / 0.26oz
- Terabytes Written (TBW)(Max. capacity): 3,120TB
- MTBF: 2,000,000 hours
- Warranty: 5-year limited
- Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, RoHS
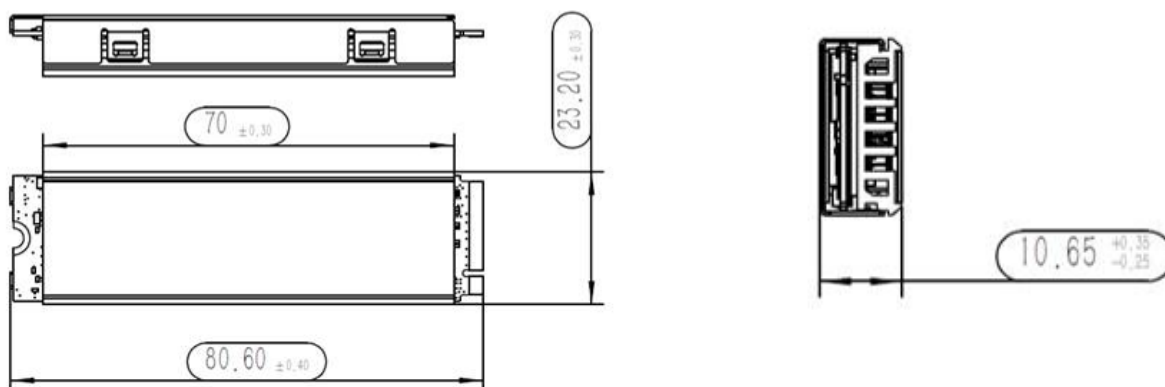
Performance

Capacity	Sequential Performance (Up to)[1]		4K Random (Up to)[2]		PS5 (Up to)	TBW[3]
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	Seq. Read (MB/s)	
1TB	7,400	6,000	730K	610K	6,400	780TB
2TB	7,400	6,800	750K	630K	6,400	1,560TB
4TB	7,400	6,800	700K	550K	6,400	3,120TB

[1]M/B: MSI X570 Gaming Plus Max , CPU: AMD Ryzen 7 3700X 8-Core Processor 3.6GHz, RAM: ADATA 8G DDR4-2666MHz
[2]Performance may vary based on SSD capacity, hardware test platform, test software, operating system, and other system variables
[3]The value is the minimum amount of terabyte written that could be reached.

Schematics