

LEGEND 960 PCIe Gen4 x4 M.2 2280 SSD

# UNLIMITED CREATIVITY



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

With PCIe 4.0, sequential read/write speeds of 7,400/6,800MB per second, and up to 4TB of capacity, the LEGEND 960 will help you create seamlessly on the latest Intel and AMD platforms.

### 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
- 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-960-1TCS | 4711085937506 |
| 2TB      | ALEG-960-2TCS | 4711085937513 |
| 4TB      | ALEG-960-4TCS | 4711085938145 |



# 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)
- 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 x 22 x 4.68mm (with heat sink)  
80 x 22 x 3.38mm (without heat sink)
- Weight:  
w/ heat sink : 11g / 0.39oz  
w/o heat sink : 8g / 0.28oz
- Terabytes Written (TBW)(Max. capacity): 3,120TB
- Warranty: 5-year limited
- Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, RoHS
- MTBF: 2,000,000 hours

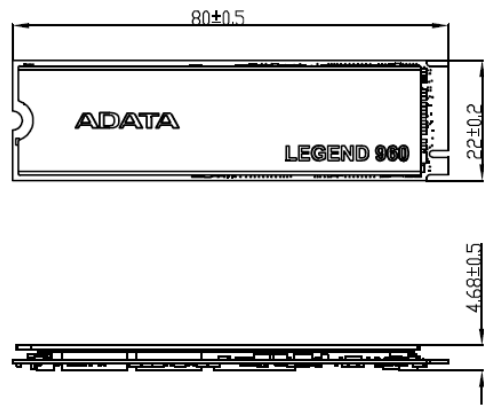
# Performance

| Capacity | Sequential Performance (Up to) <sup>1</sup> |              | 4K Random (Up to) <sup>2</sup> |              | TBW <sup>3</sup> |
|----------|---------------------------------------------|--------------|--------------------------------|--------------|------------------|
|          | Read (MB/s)                                 | Write (MB/s) | Read (IOPS)                    | Write (IOPS) |                  |
| 1TB      | 7,400                                       | 6,000        | 730K                           | 610K         | 780TB            |
| 2TB      | 7,400                                       | 6,800        | 750K                           | 630K         | 1,560TB          |
| 4TB      | 7,400                                       | 6,800        | 700K                           | 550K         | 3,120TB          |

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

# Schematics

<With heatsink>



<Without heatsink>

