

LEGEND 800 GOLD  
PCIe Gen4 x4 M.2 2280 SSD

# CREATE WITH THE RELIABILITY OF GOLD



## LEGEND 800 GOLD PCIe Gen4 x4 M.2 2280 Solid State Drive

With PCIe 4.0, sequential read/write speeds of 3,500/2,800MB per second, and up to 2000GB of capacity, the LEGEND 800 GOLD will help you create seamlessly on the latest Intel and AMD platforms.

### Features

- Ultra-fast PCIe Gen4 x4 interface
- R/W speed up to 3,500/2,800MB/s
- NVMe 1.4 support
- Advanced hardware LDPC ECC Technology
- Supports Host Memory Buffer(HMB)
- Great upgrade option for creators
- Compact M.2 2280 form factor – also ideal for 2D drawing, engineering drawing, video editing, etc.
- Free software: SSD Toolbox

### Ordering Information

Capacity	Model Number	EAN Code
1000GB	SLEG-800G-1000GCS-S38	4711085941336
2000GB	SLEG-800G-2000GCS-S38	4711085941343

**\*1,000GB (1GB = 1 billion bytes), part of the capacity is used for formatting and system files, and the actual available capacity will be less than the listed capacity on the product.**



# Specifications

- Capacity: 1000GB / 2000GB
  - Form Factor: M.2 2280
  - Interface: PCIe Gen4 x4
  - Controller: SM2267G
  - NAND Flash: 3D NAND
  - Sequential read/write (Max.):  
Read 3,500MB/s ; write 2,800MB/s
  - 4K random read/write IOPS (Max.): 290K/415K
  - 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 3.13mm (with heat sink)  
80 x 22 x 2.15mm (without heat sink)
  - Weight:  
10g / 0.35oz (with heat sink)  
7g / 0.24oz (without heat sink)
  - MTBF: 1,500,000 hours
  - Terabytes Written (TBW)(Max. capacity): 1,200TB
  - Warranty: 3-year limited
  - Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, RoHS

# Performance

Capacity	Sequential Performance (Up to) <sup>1</sup>		4K Random (Up to) <sup>1</sup>		TBW <sup>2</sup>
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	
500GB	3,500	2,200	95K	290K	300TB
1000GB	3,500	2,200	195K	315K	600TB
2000GB	3,500	2,800	290K	415K	1,200TB

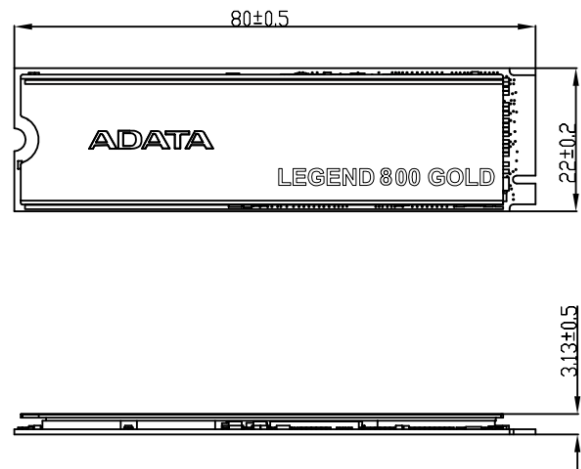
<sup>1</sup>Performance may vary based on SSD capacity, hardware test platform, test software, operating system, and other system variables

<sup>2</sup>The value is the minimum amount of terabyte written that could be reached.

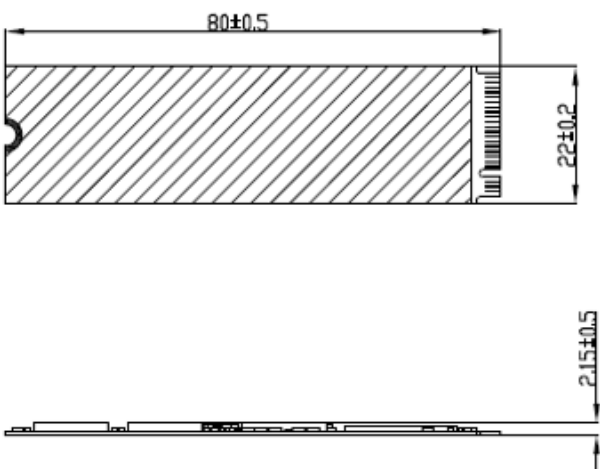
<sup>3</sup>M/B: MSI X570 Gaming Plus Max, CPU: AMD Ryzen 7 3700X 8-Core Processor 3.6GHz, RAM: ADATA 8G DDR4-2666MHz

# Schematics

<With heatsink>



<Without heatsink>



ADATA Technology Co., Ltd  
2F, No.258 Liancheng Rd.,  
Zhonghe Dist., New Taipei City 235, Taiwan  
T: +886-2-8228-0886  
F: +886-2-8228-0887  
E: [adata@adata.com](mailto:adata@adata.com)

CAN ICES-3 (B)/NMB-3(B)

WARNING: Cancer and Reproductive Harm

www.P65Warnings.ca.gov

D33A23

R-R-A99-ALEGEND800

RoHS

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UK	REP	APEX CE SPECIALISTS LIMITED Address: 89 Princess Street, Manchester, M1 4RT, UK E-mail: <a href="mailto:adata_europe@adata.com">adata_europe@adata.com</a>
EU	REP	ADATA Technology B.V. Address: Transcendpark, Struelsesteef 17-27, 2132 WT, Houdsbloem, The Netherlands E-mail: <a href="mailto:adata_europe@adata.com">adata_europe@adata.com</a>

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