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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: 2,000,000 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) ¹		4K Random (Up to) ¹		TBW ²
	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

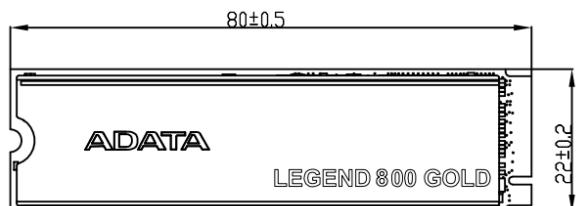
¹Performance may vary based on SSD capacity, hardware test platform, test software, operating system, and other system variables

²The value is the minimum amount of terabyte written that could be reached.

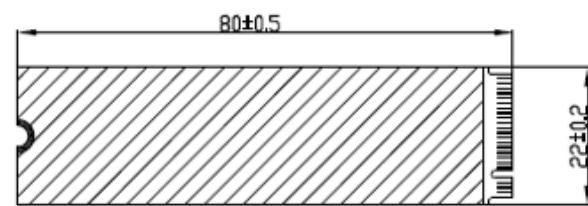
³M/B: MSI X570 Gaming Plus Max, CPU: AMD Ryzen 7 3700X 8-Core Processor 3.6GHz, RAM: ADATA 8G DDR4-2666MHz

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

CAN ICES-3 (B)/NMB-3(B)
UK REP APEX CE SPECIALISTS LIMITED
Address: 89 Princess Street, Manchester,
M1 6JL, United Kingdom
E-mail: adatc_europa@adata.com

WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov
EU REP ADATA Technology B.V.
Address: Unit 101, 10th Floor, Sintusdreef 17-27,
2132 WT Hoofddorp, The Netherlands
E-mail: adata_europa@adata.com

