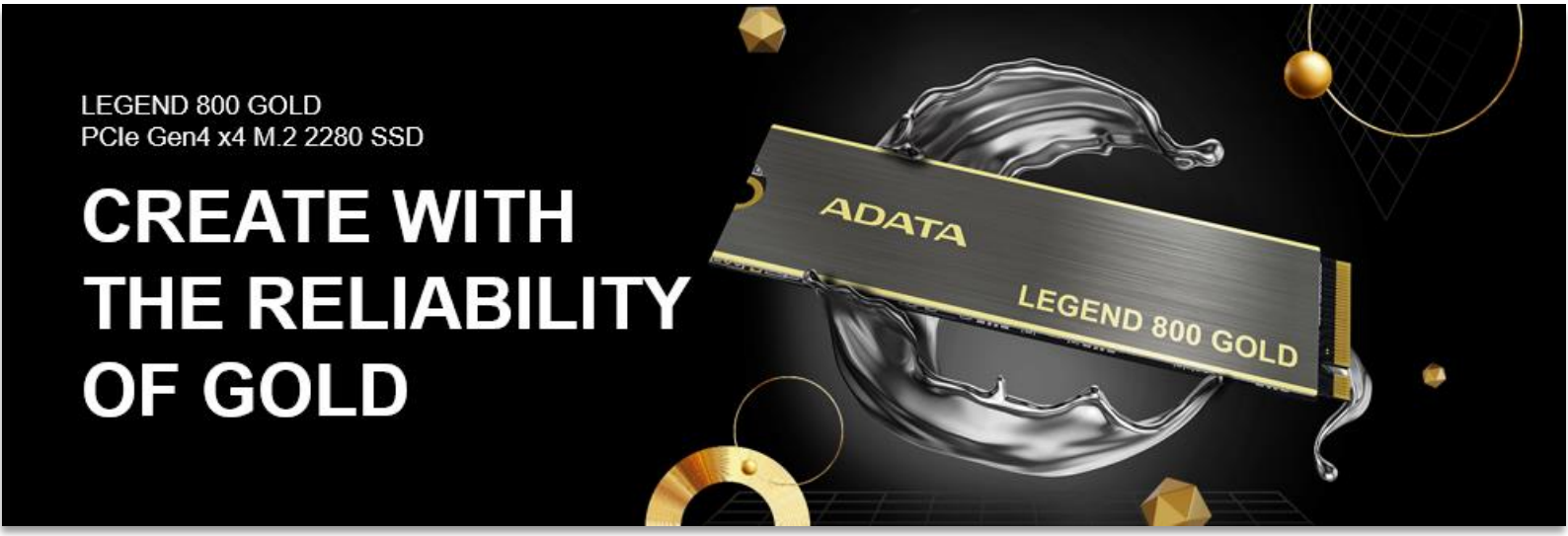
www.adata.com



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

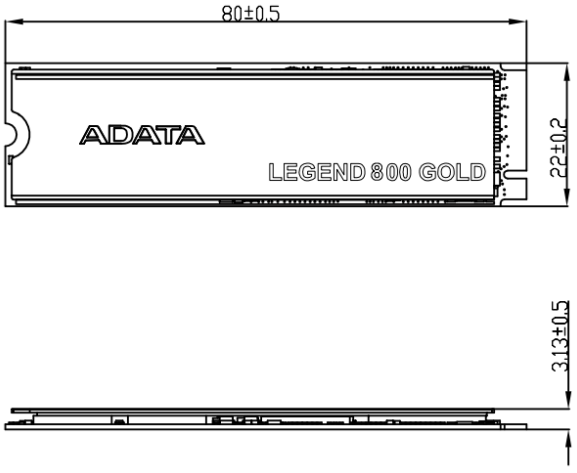
Performance

Capacity	Sequential Performance (Up to)[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

[1]Performance may vary based on SSD capacity, hardware test platform, test software, operating system, and other system variables
[2]The value is the minimum amount of terabyte written that could be reached.
[3]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>



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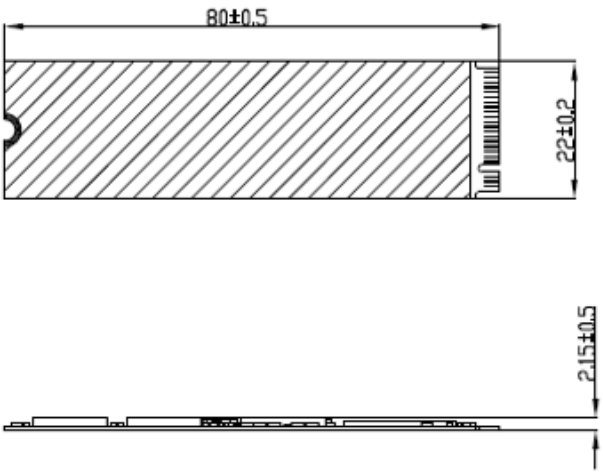

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CAN ICES-3 (B)/NMB-3(B)

WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

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