

LEGEND 850 LITE
PCIe Gen4 x4 M.2 2280 SSD

IMAGINE SMART CREATIVITY



LEGEND 850 LITE PCIe Gen4 x4 M.2 2280 Solid State Drive

With PCIe 4.0, sequential read/write speeds of 5,000/4,200MB per second, and up to 2000GB of capacity, the LEGEND 850 LITE 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 5,000/4,200MB/s
- Work with PS5
- Read speed up to 4,600MB/s for PS5
- Advanced hardware LDPC ECC Technology
- Supports Host Memory Buffer (HMB)
- 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
500GB	ALEG-850L-500GCS	4711085940698
1000GB	ALEG-850L-1000GCS	4711085940704
2000GB	ALEG-850L-2000GCS	4711085940711



Specifications

- Capacity: 500GB / 1000GB / 2000GB
- NAND Flash: 3D NAND
- Interface: PCIe Gen4 x4
- Form Factor: M.2 2280
- Sequential read/write (Max.):
Up to 5,000/4,200MB/s (PC/laptop)
Read speed up to 4,600MB/s (PS5)
- Operating Temperature: 0°C-70°C
- Storage Temperature: -40°C-85°C
- Shock Resistance: 1500G/0.5ms
- Total Bytes Written (TBW)(Max. capacity): 450TB
- MTBF: 1,500,000 hours
- Dimensions (L x W x H):
80 x 22 x 3.63mm (w/ heat sink)
80 x 22 x 2.65mm (w/o heat sink)
- Weight:

	w/ heat sink	w/o heat sink
(500GB)	8.5g / 0.29oz ;	(500GB) 5.5g / 0.19oz ;
(1000GB)	8.8g / 0.31oz ;	(1000GB) 5.8g / 0.2oz ;
(2000GB)	9.5g / 0.33oz	(2000GB) 6.5g / 0.23oz
- Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, RoHS
- Warranty: 3-year limited

Performance

Capacity	Sequential Performance (Up to) ¹		PS5 (Up to)	TBW ³
	Read (MB/s)	Write (MB/s)	Seq. Read (MB/s)	
500GB	4,700	1,700	4,000	110TB
1000GB	5,000	3,200	4,000	250TB
2000GB	5,000	4,200	4,600	450TB

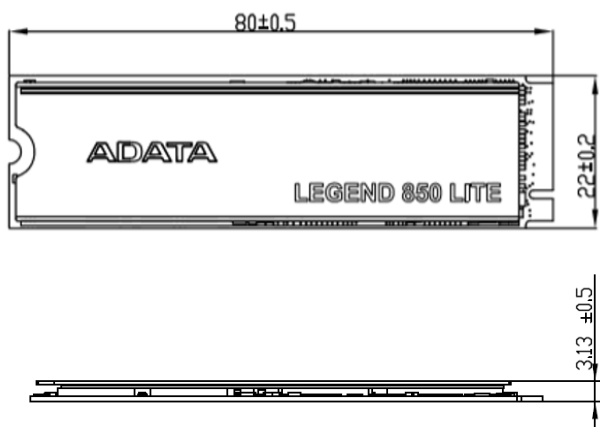
¹M/B: MSI X570 Gaming Plus Max , CPU: AMD Ryzen 7 3700X 8-Core Processor 3.6GHz, RAM: ADATA 8G DDR4-2666MHz

²Performance may vary based on SSD capacity, hardware test platform, test software, operating system, and other system variables

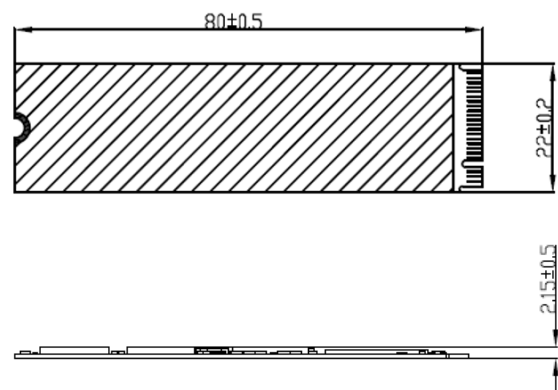
³The value is the minimum amount of terabyte written that could be reached.

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)

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

UK	REP	APEX CE SPECIALISTS LIMITED Address: 89 Princess Street, Manchester, M1 4FT, UK E-mail: adata_europe@adata.com
EU	REP	ADATA Technology B.V. Address: Transpospark, Struudsteed 17-27, 2132 WT, Hoofddorp, The Netherlands E-mail: adata_europe@adata.com

