

LEGEND 850 PCIe Gen4 x4 M.2 2280 SSD

IMAGINE THE CREATIVITY POSSIBILITIES



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

With PCIe 4.0, sequential read/write speeds of 5,000/4,500MB per second, and up to 2TB of capacity, the LEGEND 850 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 5,000/4,500MB/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
512GB	ALEG-850-512GCS	4711085936981
1TB	ALEG-850-1TCS	4711085936998
2TB	ALEG-850-2TCS	4711085938077



Specifications

- Capacity: 512GB / 1TB / 2TB
- Controller: SMI SM2269XT
- NAND Flash: 3D NAND
- Interface: PCIe Gen4 x4
- Form Factor: M.2 2280
- Sequential read/write (Max.):
Up to 5,000/4,500MB/s (PC/laptop)
Read speed up to 4,600MB/s (PS5)
- 4K random read/write IOPS (Max.): 550K/400K
- 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:
w/ heat sink : (512GB/1TB) 5g / 0.17oz ; (2TB) 8g / 0.28oz
w/o heat sink : (512GB/1TB) 4g / 0.14oz ; (2TB) 7g / 0.24oz
- Terabytes Written (TBW)(Max. capacity): 1500TB
- MTBF: 2,000,000 hours
- Warranty: 5-year limited
- Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, RoHS

Performance

Capacity	ATTO*		CDM-QD32T1*		AS SSD*		4K Random*		PS5	TBW**
	Seq. Read (MB/s)	Seq. Write (MB/s)	Seq. Read (MB/s)	Seq. Write (MB/s)	Seq. Read (MB/s)	Seq. Write (MB/s)	Read (IOPS)	Write (IOPS)	Seq. Read (MB/s)	
512GB	Up to 4800	Up to 2700	Up to 5000	Up to 2700	Up to 4100	Up to 2500	380K	530K	Up to 4000	500TB
1TB	Up to 5000	Up to 4500	Up to 5000	Up to 4500	Up to 4100	Up to 3500	400K	550K	Up to 4000	1000TB
2TB	Up to 5000	Up to 4500	Up to 5000	Up to 4500	Up to 4100	Up to 3500	400K	550K	Up to 4600	1500TB

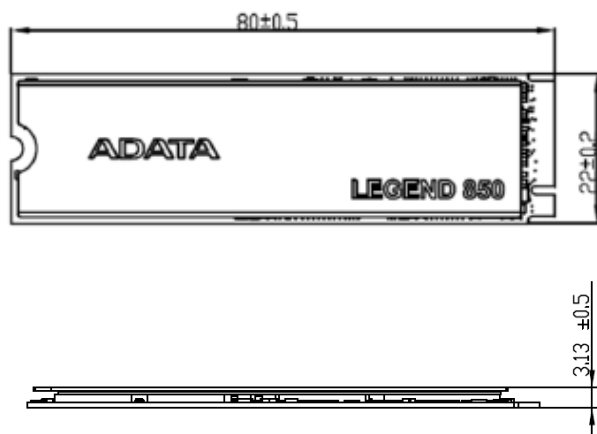
*M/B: MSI X570 Gaming Plus Max , CPU: AMD Ryzen 7 3700X 8-Core Processor 3.6GHz, RAM: ADATA 8G DDR4-2666MHz

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

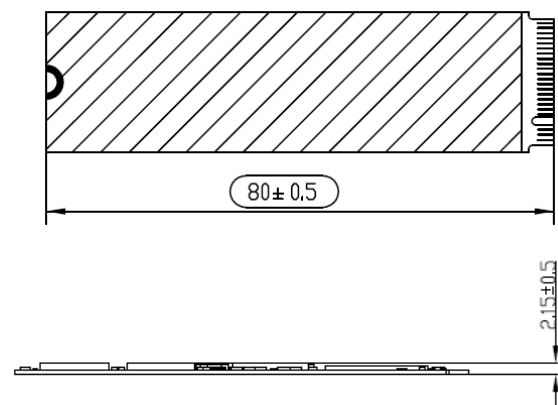
**The value is the minimum amount of terabyte written that could be reached.

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)

UK	REP	APEX CE SPECIALISTS LIMITED Address: 49 Princess Street, Manchester, M1 4PL, UK E-mail: adata_uk@apexce.com
EU	REP	ADATA Technology B.V. Address: Transvillapark, Sint-Anthonis 17-07, 3112 WT Houtdons, The Netherlands E-mail: adata_europe@adata.com

