LEGEND 840 PCIe Gen4 x4 M.2 2280 SSD

UNLOCK INSPIRATION

LEGEND 840 PCIe Gen4 x4 M.2 2280 Solid State Drive

Be a legendary creator with the ADATA LEGEND 840. Drive your creativity with sustained read/write speeds of up to 5,000/4,500 MB per second 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 5,000MB/s for PS5
- Heat sink reduces temp. by up to 15%
- 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 and Migration Utility

Ordering Information

Capacity	Model Number	EAN Code
512GB	ALEG-840-512GCS	4711085935755
1TB	ALEG-840-1TCS	4711085935762

Specifications

- Capacity: 512GB / 1TB
- Controller: Innogrit IG5220
- 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 5,000MB/s (PS5)
- 4K random read/write IOPS (Max.): 650K/600K
- 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:
  9g / 0.32oz (with heat sink)
  6g / 0.21oz (without heat sink)
- Terabytes Written (TBW)(Max. capacity): 650TB
- MTBF: 2,000,000 hours
- Warranty: 5-year limited
- Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, RoHS

Performance

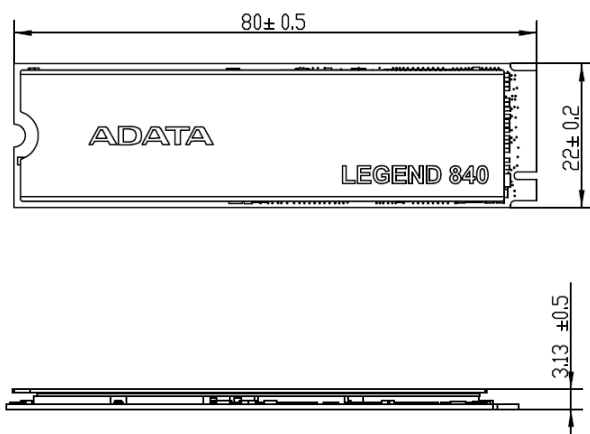| Capacity	Sequential Performance (Up to)[1]		4K Random (Up to)[2]		PS5 (Up to)	TBW[3]
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	Seq. Read (MB/s)	
512GB	5,000	3,000	520K	450K	4,500	325TB
1TB	5,000	4,500	650K	600K	5,000	650TB

*M/B: MSI X570 GAMING PLUS, CPU: AMD Ryzen 7 3700X 8-Core Processor @ 3.60GHZ
*Performance may vary based on SSD capacity, hardware test platform, test software, operating system, and other system variables
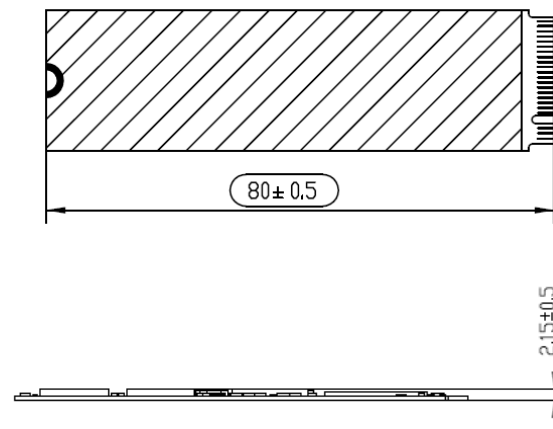**The value is the minimum amount of terabyte written that could be reached.

Schematics

\<With heatsink\>

\<Without heatsink\>

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

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

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FC CE UKCA EAC ◬ ℗ KC D33A23 RoHS ⊠ (RoHS) (10)

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