LEGEND 700 PCIe Gen3 x4 M.2 2280 Solid State Drive

Make your creations legendary with the ADATA LEGEND 700. Enhance your creativity with sustained read/write speeds of up to 2,000/1,600MB per second on the latest Intel and AMD platforms.

Features

- Ultra-fast PCIe Gen3 x4 interface
- R/W speed up to 2,000/1,600MB/s
- NVMe 1.3 support
- Heat sink reduces temp. effectively
- Supports Host Memory Buffer(HMB)
- Advanced hardware LDPC ECC Technology
- AES 256-bit encryption support
- Great upgrade option for creators
- For aspiring or amateur content creators looking to edit photos/videos, illustrate, and other tasks
- Free software: SSD Toolbox and Migration Utility

Ordering Information

Capacity	Model Number	EAN Code
256GB	ALEG-700-256GCS	4711085938251
512GB	ALEG-700-512GCS	4711085938183
1TB	ALEG-700-1TCS	4711085938190
2TB	ALEG-700-2TCS	4711085942753

Specifications

- Capacity: 256GB / 512GB / 1TB / 2TB
- NAND Flash: 3D NAND
- Interface: PCIe Gen3 x4
- Form Factor: M.2 2280
- Sequential read/write (Max.):
  Read 2,000MB/s ; write 1,600MB/s
- 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)
  6.2g / 0.22oz (without heat sink)
- Terabytes Written (TBW)(Max. capacity): 480TB
- MTBF: 1,500,000 hours
- Warranty: 3-year limited
- Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, RoHS

Performance

Capacity	Sequential Performance (Up to)[1]		TBW[2]
	Read (MB/s)	Write (MB/s)	
256GB	1,900	1,000	80TB
512GB	2,000	1,600	160TB
1TB	2,000	1,600	320TB
2TB	2,000	1,600	480TB

*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>