

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

# JUMP START YOUR CREATIVITY



## 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
- 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



## Specifications

- Capacity: 256GB / 512GB / 1TB
- 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
- 4K random read/write IOPS (Max.): 180K/280K
- 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): 320TB
- MTBF: 1,500,000 hours
- Warranty: 3-year limited
- Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, RoHS

## Performance

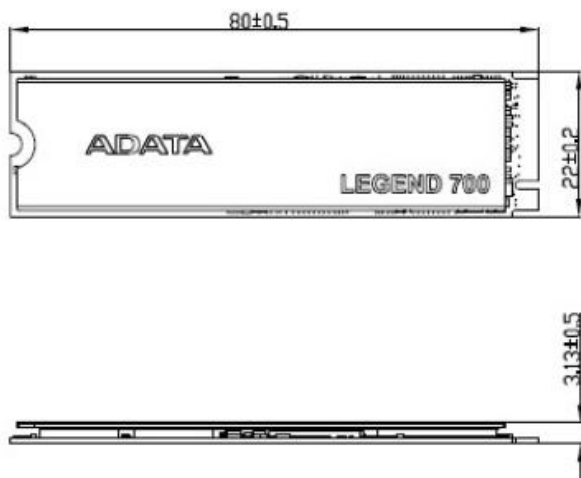
Capacity	ATTO*		CDM-QD32T1*		AS SSD*		4K Random*		TBW**
	Seq. Read (MB/s)	Seq. Write (MB/s)	Seq. Read (MB/s)	Seq. Write (MB/s)	Seq. Read (MB/s)	Seq. Write (MB/s)	Read (IOPS)	Write (IOPS)	
256GB	Up to 1800	Up to 1000	Up to 1900	Up to 1000	Up to 1700	Up to 1000	90K	200K	80TB
512GB	Up to 2000	Up to 1600	Up to 2000	Up to 1600	Up to 1900	Up to 1400	160K	260K	160TB
1TB	Up to 2000	Up to 1600	Up to 2000	Up to 1600	Up to 2000	Up to 1500	180K	280K	320TB

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

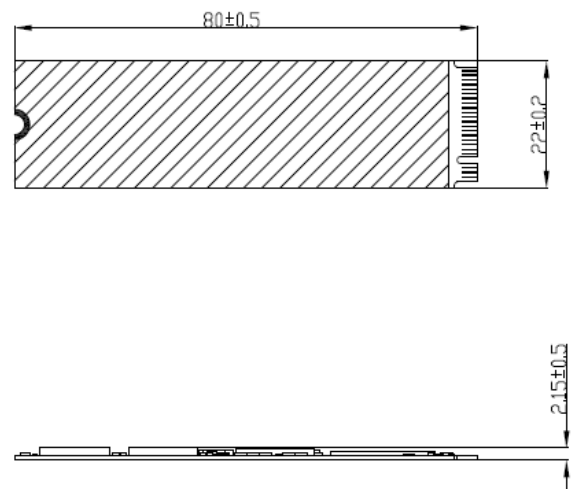
\*\*The value is the minimum amount of terabyte written that could be reached.

## Schematics

<With heatsink>



<Without heatsink>



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

WARNING: Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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