

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: PCle 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 hoursWarranty: 3-year limited

 Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, RoHS

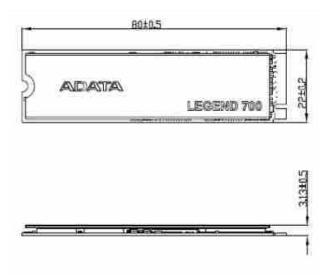
Performance

Capacity	ATTO*		CDM-QD32T1*		AS SSD*		4K Random*		
	Seq. Read	Seq. Write	Seq. Read	Seq. Write	Seq. Read	Seq. Write	Read	Write	TBW**
	(MB/s)	(MB/s)	(MB/s)	(MB/s)	(MB/s)	(MB/s)	(IOPS)	(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

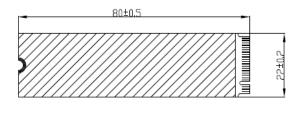
^{*}Performance may vary based on SSD capacity, hardware test platform, test software, operating system, and other system variables

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





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