

LEGEND 740 PCIe Gen3 x4  
M.2 2280 Solid State Drive

# LEGENDARY CREATIVITY



## LEGEND 740 PCIe Gen3 x4 M.2 2280 Solid State Drive

Make your creations legendary with the ADATA LEGEND 740. Enhance your creativity with sustained read/write speeds of up to 2,500/2,000 MB per second on the latest Intel and AMD platforms.

### Features

- Ultra-fast PCIe Gen3 x4 interface
- R/W speed up to 2,500/2,000MB/s
- NVMe 1.4 support
- 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 – also ideal for 2D drawing, engineering drawing, video editing, etc.
- Free software: SSD Toolbox and Migration Utility

### Ordering Information

Capacity	Model Number	EAN Code
250GB	ALEG-740-250GCS	4711085935823
500GB	ALEG-740-500GCS	4711085935830
1TB	ALEG-740-1TCS	4711085935847



## Specifications

- Capacity: 250GB / 500GB / 1TB
- NAND Flash: 3D NAND
- Interface: PCIe Gen3 x4
- Form Factor: M.2 2280
- Sequential read/write (Max.):  
Read 2,500MB/s ; write 2,000MB/s
- 4K random read/write IOPS (Max.): 180K/200K
- 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): 600TB
- MTBF: 2,000,000 hours
- Warranty: 5-year limited
- Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, RoHS

## Performance

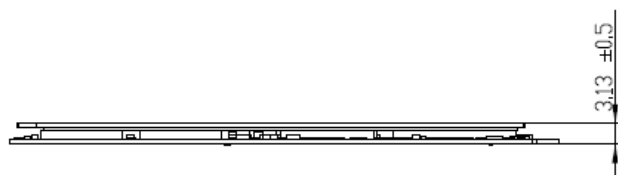
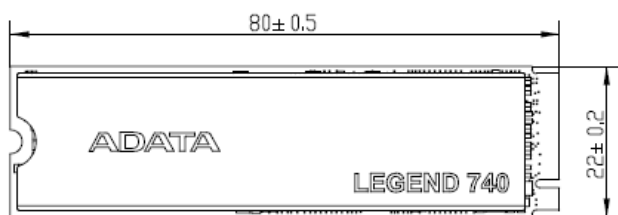
Capacity	ATTO*		CDM-QD32T1*		AS SSD*		4K Random*		TBW**
	Seq. Read (MB/s)	Seq. Write (MB/s)	Seq. Read (MB/s)	Seq. Write (MB/s)	Seq. Read (MB/s)	Seq. Write (MB/s)	Read (IOPS)	Write (IOPS)	
250GB	Up to 2300	Up to 1300	Up to 2300	Up to 1300	Up to 2200	Up to 1100	90K	150K	150TB
500GB	Up to 2500	Up to 1700	Up to 2500	Up to 1700	Up to 2400	Up to 1500	100K	200K	300TB
1TB	Up to 2500	Up to 2000	Up to 2500	Up to 2000	Up to 2400	Up to 1700	180K	200K	600TB

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

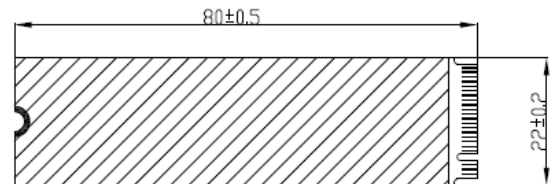
\*\*The value is the minimum amount of terabyte written that could be reached.

## Schematics

<With heatsink>



<Without heatsink>



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