



### LEGEND 970 PCIe Gen5 x4 M.2 2280 Solid State Drive

The LEGEND 970 Gen5 SSD adopts dual-layer aluminum alloy heat dissipation fins and a micro fan to create a comprehensive cooling structure, enabling stable long-term operation. Featuring sequential read/write up to 10,000/10,000MB per second. It is available in 2000GB capacity and supports the latest Intel and AMD platforms.

#### **Features**

- PCIe Gen5 x4 transmission interface
- R/W speed up to 10,000/10,000 MB/s
- Compliant with NVMe 2.0
- Compared with a fanless heat sink, temperatures significantly reduced by 10%
- Dual-layer aluminum alloy and fan forms a patented active air cooling system
- •Surface crystallization improves thermal conductivity
- Up to 2000GB
- SLC caching
- DRAM cache buffer
- Advanced hardware LDPC ECC Technology
- Free software: SSD Toolbox

## **Ordering Information**

Capacity	Model Number	EAN Code	
1000GB	SLEG-970-1000GCI	4711085942210	
2000GB	SLEG-970-2000GCI	4711085942227	





# **Specifications**

• Capacity: 1000GB / 2000GB

Form Factor: M.2 2280Interface: PCle Gen5 x4

Controller: Phison E26NAND Flash: 3D NAND

Sequential read/write (Max.):
 Read 10,000MB/s, Write 10,000MB/s

• 4K Read/Write IOPS (Max.): 1,400K/1,400K

Operating Temperature: 0°C-70°C
Storage Temperature: -40°C-85°C

• Shock Resistance: 1500G/0.5ms

• Dimensions (L x W x H):

80.6 x 24.2 x 17.9mm / 3.17 x 0.95 x 0.7inch

Weight: 57.1g / 2.01ozMTBF: 1,600,000 hours

• Terabytes Written (TBW)(Max. capacity): 1,400TB

• Warranty: 5-year limited warranty

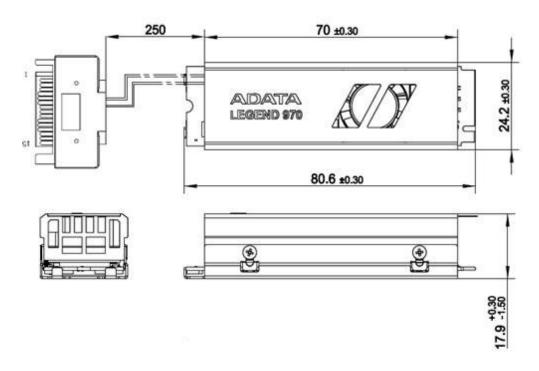
 Certifications: CE, FCC, BSMI, KC, EAC, RCM, morocco, UKCA, RoHS

### **Performance**

Capacity	Sequential Performance (Up to) <sup>1</sup>		4K Random (Up to) <sup>2</sup>		
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	TBW <sup>3</sup>
1TB	9,500	8,500	1,300K	1,400K	700TB
2ТВ	10,000	10,000	1,400K	1,400K	1,400TB

<sup>&</sup>lt;sup>1</sup>Performance may vary based on SSD capacity, hardware test platform, test software, operating system, and other system variables

### **Schematics**



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<sup>&</sup>lt;sup>2</sup>The value is the minimum amount of terabyte written that could be reached.

 $<sup>^3</sup>$ Test system configuration : M/B : ASUS Z790 STRIX E-Gaming WIFI , CPU: i7-13700K, RAM: 16GBx2 DDR5-5200