

LEGEND 820 PCIe Gen4 x4 M.2 2230 SSD

Powering in Your Handheld



LEGEND 820 PCIe Gen4 x4 M.2 2230 Solid State Drive

The LEGEND 820 features a PCIe 4.0 interface, with sequential read and write speeds of up to 5,000/4,500MB per second, and up to 2TB storage capacity. Adopting a M.2 2230 form factor, the LEGEND 820 delivers high-end storage to small systems and supports the latest Intel and AMD platforms, leveling up your mobile lifestyle.

Features

- PCIe Gen4 x4 transmission interface
- R/W speed up to 5,000/4,500MB/s
- Compatible with handhelds, mini laptops, tablets
- Compliant with NVMe 1.4
- Up to 2TB
- SLC caching
- Host memory buffer
- Supports the latest Intel and AMD platforms
- Advanced hardware LDPC ECC Technology
- Free software: SSD Toolbox

Ordering Information

Capacity	Model Number	EAN Code
512GB	SLEG-820-512G-CB	4711085945303
1TB	SLEG-820-1T-CB	4711085945310
2TB	SLEG-820-2T-CB	4711085945327



Specifications

- Capacity: 512GB / 1TB / 2TB
- Form Factor: M.2 2230
- Interface: PCIe Gen4 x4
- NAND Flash: 3D NAND
- Sequential read/write (Max.):
Read 5,000MB/s, Write 4,500MB/s
- Operating Temperature: 0°C-70°C
- Storage Temperature: -40°C-85°C
- Shock Resistance: 1500G/0.5ms
- Dimensions (L x W x H):
30 x 22 x 2.05mm / 1.18 x 0.87 x 0.08inch
- Weight: 2.7g / 0.09oz
- MTBF: 1,500,000 hours
- Terabytes Written (TBW)(Max. capacity): 600TB
- Warranty: 3-year limited warranty
- Certifications: FCC, IC

Performance

Capacity	Sequential Performance (Up to) ¹		TBW ²
	Read (MB/s)	Write (MB/s)	
512GB	5,000	3,600	300TB
1TB	5,000	4,500	600TB
2TB	5,000	3,200	450TB

¹Performance may vary based on SSD capacity, hardware test platform, test software, operating system, and other system variables

²The value is the minimum amount of terabyte written that could be reached.

Schematics

