

ADATA Premier SP550 M.2 2280 SATA 6Gb/s SSD

Designed as upgrades for ultrabooks and slim notebooks, M.2 form factor SSDs are the perfect choice for devices with limited interior space. Powered by SMI controllers, the Premier SP550 M.2 2280 SATA 6Gb/s SSD provides excellent performance even with an ultra-compact size of just 22 x 80 x 3.5mm. Featuring Intelligent SLC Caching technology and DRAM Cache Buffer, it can boost read/write speeds on demand based on task. The Premier SP550 M.2 2280 supports LDPC ECC Engine, RAID Engine, and Data Shaping, enhancing the reliability of data transfer and overall system stability. Thanks to advanced technologies, superior performance, and its compact size, the Premier SP550 M.2 2280 is an extra-reliable, high speed storage option for ultrabooks and notebooks.

So Light, But So Fast

Premier SP550 M.2 2280 Solid State Drive



Features

- Ultra compact M.2 2280 form factor
- DEVSLP (Device Sleep) supported
- Advanced hardware LDPC ECC technology
- DRAM Cache Buffer
- SLC Caching
- RAID Engine and Data Shaping
- Free value-added ADATA SSD Toolbox software

Specifications

- Capacities: 120GB / 240GB / 480GB
- Controller: SMI
- NAND Flash memory: TLC
- Interface: SATA 6Gb/s (SATA III)
- Form factor: M.2 2280
- MTBF: 1,500,000 hours
- Dimensions (L x W x T): 22 x 80 x 3.5mm
- Weight: 8g

Ordering Information

Capacity	Model Number	EAN Code
120GB	ASP550NS38-120GM-C	4712366966277
240GB	ASP550NS38-240GM-C	4712366966284
480GB	ASP550NS38-480GM-C	4712366966291

- Operating temperature: 0°C-70°C,
- Storage temperature: -40°C-85°C
- Shock resistance: 1500G/0.5ms
- ECC capability: advanced hardware LDPC engine
- Certifications: CE, FCC, BSMI, VCCI, KCC
- Warranty: 3 years

*Varies by specific configuration



Performance

Capacity	Read speed ATTO (MB/sec)	Write speed ATTO (MB/sec)	Sequential read Crystal Disk Mark (MB/sec)	Sequential write Crystal Disk Mark (MB/sec)	4K random R/W Iometer (MB/sec)
120GB	Up to 560	Up to 400	Up to 520	Up to 470	Up to 60K/70K IOPS
240GB	Up to 560	Up to 510	Up to 520	Up to 470	Up to 75K/75K IOPS
480GB	Up to 560	Up to 510	Up to 520	Up to 470	Up to 75K/75K IOPS

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

Schematics

