ADATA Premier SP550 SSD

Meeting growing demand for TLC SSD, ADATA's Premier SP550 is equipped with TLC flash and an SMI controller, providing users an affordable upgrade without sacrificing performance. Featuring LDPC ECC Engine (Low Density Parity Check ECC), RAID Engine, and Data Shaping, the Premier SP550 ensures data integrity and maintains high stability. It also features ultra-high TBW (Total Bytes Written) for superior durability. Additionally, it supports SLC Caching and DDR3 DRAM Cache Buffer, dramatically improving read/write speeds. If you're looking for an upgrade with a superior cost-performance ratio, the Premier SP550 is undoubtedly an ideal choice!

Features

- TLC flash with SMI controller
- Advanced LDPC ECC Technology
- RAID Engine & Data Shaping for ultimate protection
- Intelligent SLC Caching for improved performance
- High TBW for extended drive longevity
- DEVSLP (Device Sleep) supported

Ordering Information

Capacity	Model Number	EAN Code
120GB	ASP550SS3-120GM-C	4712366963412
240GB	ASP550SS3-240GM-C	4712366963603
480GB	ASP550SS3-480GM-C	4712366963610

Specifications

- Capacities: 120GB / 240GB / 480GB / 960GB
- Controller: SMI
- NAND Flash Memory: Toggle TLC (3-bit MLC)
- Interface: SATA 6Gb/sec (SATA III)
- Form Factor: 2.5"
- MTBF: 1,500,000 hours
- Dimensions (L x W x T): 100.45 x 69.85 x 7mm
- Weight: 68g / 2.4oz

- Operating Temperature: 0~70°C,
- Storage Temperature: -40~85°C
- Shock Resistance: 1500G/0.5ms
- ECC Capability: Advanced hardware LDPC engine
- Certifications: RoHS, CE, FCC, BSMI
- Warranty: 3 years

*Varies depending on exact configuration

Performance

Capacity	Read Speed ATTO (MB/sec)	Write Speed ATTO (MB/sec)	Sequential Read AS SSD (MB/sec)	Sequential Write AS SSD (MB/sec)	4K Random R/W Iometer (MB/sec)	TBW
120GB	560	410	530	410	60K/70K	90TB
240GB	560	510	530	480	75K/75K	90TB
480GB	560	510	530	480	75K/75K	180TB
960GB	560	510	530	480	75K/75K	360TB

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

Dimensional Drawings