

Premier SP600 Solid State Drive

The Premier SP600 SATA III 6Gb/s SSD implements the latest firmware optimization techniques and is comprised of strictly selected Flash memory chips. Powered by the JMicron controller, it offers outstanding performance with sequential read and write speeds of 550 and 430 MB/second, and 4KB random read/write speeds of up to 76,000/73,000 IOPS. It is the best storage solution choice for consumers considering a first time hardware upgrade.



Features

- TRIM Support (requires OS support)
- NCQ Support
- Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T.) Support
- Acronis True Image HD, Disk Migration Utility

Ordering Information

Capacity	Model Number	EAN Code
32GB	ASP600S3-32GM-C	4713435795880
64GB	ASP600S3-64GM-C	4713435795897
128GB	ASP600S3-128GM-C	4713435795903
256GB	ASP600S3-256GM-C	4713435799338
512GB	ASP600S3-512GM-C	4712366961425

Specifications

- Capacities: 32 / 64 / 128 / 256 / 512GB
- NAND Flash Memory: Synchronous MLC
- Interface: SATA 6Gb/sec (SATA III)
- Controller: JMicron
- Form Factor: 2.5 inch
- Dimensions: 100.45 x 69.85 x 7mm (L x W x H)
- Weight: 47.5g
- Warranty: 3 years
- MTBF: 1,000,000 hours
- Power Consumption: 0.35W Active (Typical), 0.14W Slumber (Typical)
- Operating Temperature: 0~70°C
- Storage Temperature: -40~85°C
- Shock Resistance: 1500G
- Operating Humidity: 10% to 90% RH (0° to 40°C)
- Storing Humidity: 5% to 90% RH (-10° to 40°C)



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 Read (MB/sec)	4K Random Write (MB/sec)
32GB	220	37	185	35	19K	9K
64GB	430	70	345	70	33K	17K
128GB	530	150	500	140	65K	36K
256GB	540	290	500	280	68K	65K
512GB	550	430	510	410	76K	73K

*Test System: Gigabyte GA-Z68AP-D3, Intel i3 2100K, 4GB DDR3 RAM, Windows 7 Professional Version

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

Dimensional Drawings

