

# Premier SP610 Solid State Drive

The Premier SP610 SATA III 6Gb/s SSD is ideal for upgrading your PC and laptop. It is powered by the SMI controller to offer outstanding performance with sequential read/write speeds of up to 560 and 450 MB/s, and 4KB random read/write speeds of up to 73,000/72,000 IOPS. With consistently fast data speeds, lower power consumption, and competitive price, the SP610 lets you enjoy faster boot up and program loading than ever before.



## Features

- High transfer speed for uncompressed data performance
- Consistent high transfer speed
- NCQ Support
- Supports Windows TRIM Command
- S.M.A.R.T supported

## Specifications

- Capacities: 128GB/256GB/512GB/1TB
- NAND Flash Memory: Synchronous MLC
- Interface: SATA 6Gb/sec (SATA III)
- Controller: SMI
- Form Factor: 2.5"
- Dimensions: 100 x 70 x 7mm (L x W x H)
- Weight: 68g
- Warranty: 3 years
- MTBF: 1,500,000 hours

## Ordering Information

Capacity	Model Number	EAN Code
128GB	ASP610SS3-128GM-C	4713435799789
256GB	ASP610SS3-256GM-C	4713435799796
512GB	ASP610SS3-512GM-C	4713435799802
1TB	ASP610SS3-1TM-C	4712366960336

- Power Consumption: 0.3W Idle, 0.08W Active

\* Mobilemark 2012, Battery life analyzer2.4

- 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 95% RH (-10° to 40°C)
- ECC Recovery: Up to 66 bit/1KB (BCH)

\*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 Read Iometer (MB/sec)	4K Random Write Iometer (MB/sec)
128GB	560	150	510	140	66,000	35,000
256GB	560	290	510	280	75,000	67,000
512GB	560	450	510	430	73,000	72,000
1TB	560	450	510	430	73,000	72,000

\*Test System: ASUS H87-PLUS , Pentium G3220, 4GB DDR3 RAM, Windows 8.1 Pro

## Dimensional Drawings

