

# 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 supported
- Supports Windows TRIM Command
- S.M.A.R.T. supported

## 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

## Specifications

- Capacities: 128GB / 256GB / 512GB / 1TB
  - NAND Flash Memory: Synchronous MLC
  - Interface: SATA 6Gb/sec (SATA III)
  - Controller: SMI
  - Form Factor: 2.5 inch
  - Dimensions: 100.45 x 69.85 x 7mm (L x W x H)
  - Weight: 68g
  - Warranty: 3 years
  - MTBF: 1,500,000 hours
  - Power Consumption: 0.4W Active (Typical), 0.07W 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)
  - 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 (MB/sec)	4K Random Write (MB/sec)
128GB	560	150	510	140	66K	35K
256GB	560	290	510	280	75K	67K
512GB	560	450	510	430	73K	72K
1TB	560	450	510	430	73K	72K

\*Test System: ASUS H89-Plus, Pentium G3220, 4GB DDR3 RAM, Windows 8.1 Pro

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

# Dimensional Drawings

