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

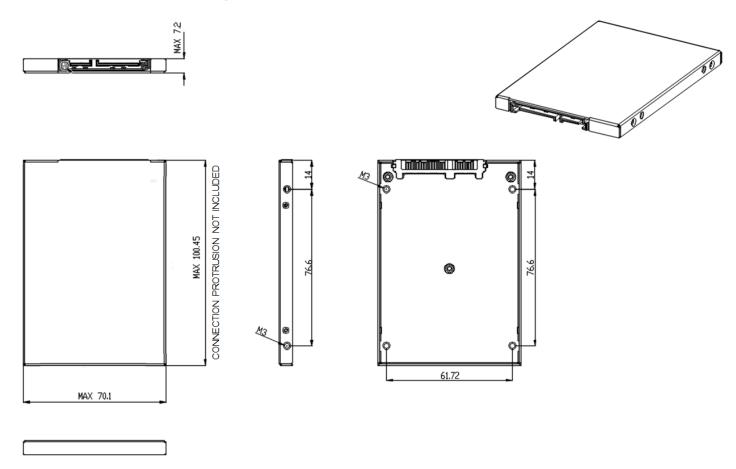


Performance

Canacity	Read Speed	Write Speed	Sequential Read	Sequential Write	4K Random Read	4K Random Write
Capacity	ATTO (MB/sec)	ATTO (MB/sec)	AS SSD (MB/sec)	AS SSD (MB/sec)	(MB/sec)	(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

Dimensional Drawings





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