Premier Pro SP920 Solid State Drive

The Premier Pro SP920 2.5" SATA SSD is designed to meet the high-performance requirements of multimedia file transfers. It is equipped with the latest generation Marvell controller, implementing the SATA III 6Gb/sec specification. Strict selection of flash memory chips allows for the enhancement of overall system efficiency and speed, especially for the transmission of multimedia files (uncompressed data).



Features

- Great uncompressed data format solution
- Full capacity- 7% more than many standard drives
- NCQ & S.M.A.R.T. supported
- 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	
128GB	ASP920SS3-128GM-C	4712366962842	
256GB	ASP920SS3-256GM-C	4712366962859	
512GB	ASP920SS3-512GM-C	4712366962866	
1TB	ASP920SS3-1TM-C	4712366962873	

Specifications

• Controller: Marvell

Form Factor / Interface: 2.5 inch / SATA 6Gb/sec

• NAND Flash: Synchronous MLC

• Dimensions: 100.45 x 69.85 x 7mm (L x W x H)

• Weight: 38g (128GB/256GB) / 68g (512GB/1TB)

• Warranty: 3 years

• MTBF: 1,500,000 hours

- Max performance (ATTO, 1TB): R/W 560/460MB/s
- Max 4K random IOPS (IOPS, 1TB)): 91K/77K
- Power Consumption: 0.8W Active (Typical),
 0.3W Slumber (Typical)
- Operating / storage temp.: 0~70°C / -40~85°C
- Operating Humidity: 5 ~ 95% RH (0 ~ 55°C)
- Shock Resistance: 1500G / 0.5ms



Performance

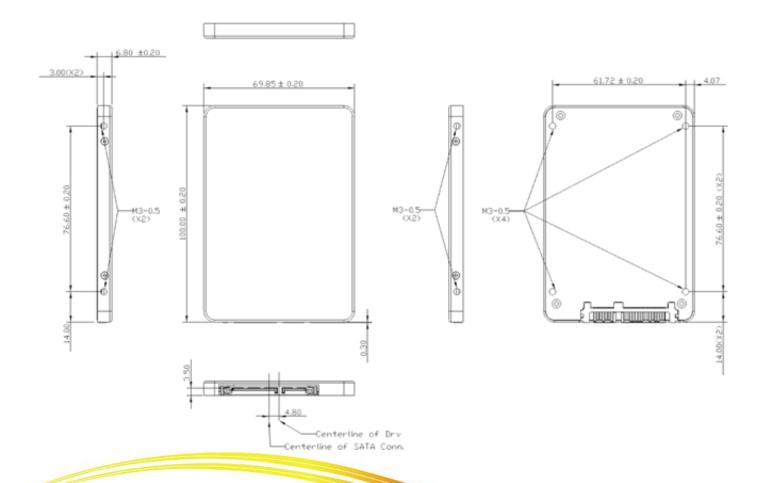
Capacity	Read Speed	Write Speed	Sequential Read	Sequential Write	4K Random Read	4K Random Write
	ATTO (MB/sec)	ATTO (MB/sec)	AS SSD (MB/sec)	AS SSD (MB/sec)	(IOPS)	(IOPS)
128GB	560	180	520	180	80,000	45,000
256GB	560	360	520	340	96,000	80,000
512GB	560	460	520	440	91,000	77,000
1TB	560	460	520	440	91,000	77,000

^{*}Test System: ASUS Z87-C, BIOS- 0802, Intel® Core i5-4430, 4GB x 2 DDR3 1600MHz, Z87, Windows 8.1 Pro (64 bit)

Package Information

Model	Weight	Dimensions	Pcs / Carton	CUFT	Carton Gross Weight	Carton Dimensions
SP920	152g	130 x 138 x 25mm	40	1.4	7.5kg	346 x 355 x 300mm

Dimensional Drawings





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