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: 68g

• Warranty: 5 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

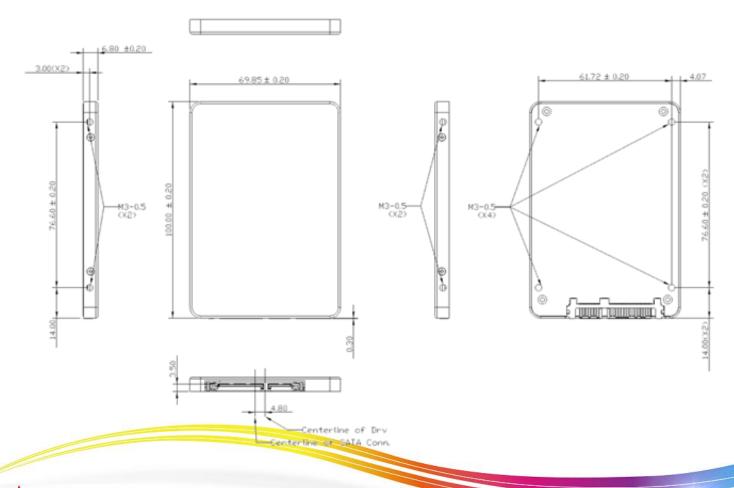
| Capacity | Read Speed ATTO (MB/sec) | Write Speed ATTO (MB/sec) | Sequential Read AS SSD (MB/sec) | Sequential Write AS SSD (MB/sec) | 4K Random Read (IOPS) | 4K Random Write (IOPS) | TBW |
|----------|--------------------------|---------------------------|---------------------------------|----------------------------------|--------------------------|---------------------------|--------|
| 128GB | 560 | 180 | 520 | 180 | 80,000 | 45,000 | 150TB |
| 256GB | 560 | 360 | 520 | 340 | 96,000 | 80,000 | 300TB |
| 512GB | 560 | 460 | 520 | 440 | 91,000 | 77,000 | 600TB |
| 1TB | 560 | 460 | 520 | 440 | 91,000 | 77,000 | 1200TB |

^{*}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.