# Premier Pro SP920 Solid State Drive

**The Premier Pro SP920 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. support

● Supports Windows TRIM Command

● Hardware-based AES-256 encryption engine

● Acronis True Image HD, Disk Migration Utility

● CE, FCC, VCC, BSMI certified

● 2.5mm spacer allows for use in both 7mm & 9.5mm bays

## Ordering Information

| Capacity | Model Number | EAN Code |
|---|---|---|
| 128GB | ASP920SS3-128GM-C | 4713435799512 |
| 256GB | ASP920SS3-256GM-C | 4713435799529 |
| 512GB | ASP920SS3-512GM-C | 4713435799536 |
| 1TB | ASP920SS3-1TM-C | 4713435799543 |

## Specifications

● Controller: Marvell

● Form factor / Interface: 2.5" / SATA 6Gb/sec

● NAND Flash: Synchronous MLC

● Channels: 8 channels

● Size: 100 x 69.85 x 7.0mm (L x W x H)

● Weight: 70g (2.5oz)

● Warranty: 3 years

● MTBF: 1,200,000 hours

● Max performance (ATTO, 1TB):

    560 MB/sec Read, 500 MB/sec Write

● Max 4k random IOPS (Iometer, 1TB)

    98,000 Read, 88,000 Write

● Power consumption: 0.5W Idle / 0.8W Active

● Operating / storage temp.: 0~70°C / -40~85°C

● Operating humidity: 5 ~ 95% RH (0 ~ 55°C)

● Shock Resistance: 1500G / 0.5ms

# Performance

|  |  | 128GB | 256GB | 512GB | 1TB |
|---|---|---|---|---|---|
| ATTO | Sequential READ (MB/sec) | 560 | 560 | 560 | 560 |
|  | Sequential WRITE (MB/sec) | 180 | 360 | 500 | 500 |
| AS SSD | Sequential READ (MB/sec) | 520 | 520 | 510 | 510 |
|  | Sequential WRITE (MB/sec) | 180 | 340 | 470 | 470 |
| CrytalDiskMark | Sequential READ (MB/sec) | 520 | 520 | 500 | 500 |
|  | Sequential WRITE (MB/sec) | 180 | 360 | 470 | 480 |
| Iometer | 4K Random Read (IOPS) | 80000 | 96000 | 98000 | 98000 |
|  | 4K Random Write (IOPS) | 45000 | 80000 | 88000 | 88000 |

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

# Packaging 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

$7.0 \; ^{+0.0}_{-0.3}$

$69.85 \; ^{+0.30}_{-0.00}$

$100.0 \; ^{+0.3}_{-0.0}$