ADATA XPG SX900 2.5”SATA SSD

The XPG SX900 solid state drive is an expanded capacity SSD which uses new optimized firmware to utilize greater storage capacity of the NAND Flash components. With superior NAND Flash, the XPG SX900 SSD reaches new levels of stability and performance. The drive breaks new ground in storage capacity for SSDs utilizing the SandForce 2281 controller, reaching 512GB, a 7% increase over common SSDs in the market that use a SandForce controller. This represents a milestone in ADATA’s history of NAND Flash based products.

Features

- TRIM supported (requires OS support)
- RAID supported
- S.M.A.R.T. supported
- 3.5” desktop conversion bracket
- Acronis True Image HD, Disk Migration Utility
- OS Compatibility: Windows 8 / 7 / XP/ Vista / Mac OS X / Linux

Ordering Information

Capacity	Model Number	EAN Code
64GB	ASX900S3-64GM-C	4713435794722
128GB	ASX900S3-128GM-C	4713435794616
256GB	ASX900S3-256GM-C	4713435794739
512GB	ASX900S3-512GM-C	4713435794746

Specifications

- Capacities: 64/128/256/512GB
- NAND Flash Memory: Multi-Level Cell (MLC)
- Interface: SATA 6Gb/sec (SATA III)
- Controller: SandForce 2281
- Form Factor: 2.5 inch
- Dimensions: 100.45 x 69.85 x 7mm (L x W x H)
- Weight: 68g
- Warranty: 3 years
- MTBF: 1,000,000 hours
- Power Consumption: 0.8W Active (Typical), 0.4W 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)
- Max Operating Altitude: 12000m
- ECC Recovery: Up to 55 bits correctable per 512-byte sector

(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 Write IOPS
64GB	550	520	350	90	80,000
128GB	550	530	480	190	91,000
256GB	560	540	490	340	91,000
512GB	560	540	490	260	45,000

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

Dimensional Drawings