

ADATA XPG SX900 Solid State Drive

Specifications

- > **Capacities:** 64/ 128/ 256/ 512 GB
- > **NAND Flash Components:** 2xnm Multi-Level Cell (MLC) Synchronous NAND Flash Memory
- > **Interface:** SATA 6Gb/sec (SATA III)
- > **Controller:** SandForce 2281
- > **Form Factor:** 2.5"
- > **Dimensions:** 100 x 69.85 x 9.5mm (L x W x H)
- > **Weight:** 76g



Performance

Capacity	Read speed (MB/sec)	Write Speed (MB/sec)	Sequential Read AS-SSD (MB/sec)	Sequential Write AS-SSD (MB/sec)	4K Random Read AS-SSD (MB/sec)	4K Random Write AS-SSD (MB/sec)
64 GB	Up to 550	Up to 510	380	88	55	85
128 GB	Up to 550	Up to 520	486	182	115	175
256 GB	Up to 550	Up to 530	510	320	200	240
512 GB	Up to 540	Up to 465	490	240	215	150

Test System: ASUS Sabertooth P67, Intel i5 2500K, 8GB DDR3 RAM, Windows 7 Professional Version

Features

- > **MTBF:** 1,000,000 hrs
- > **TRIM Support** (requires OS support)
- > **NCQ Support**
- > **Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T.) Support**
- > **Backwards compatible with SATA II**
- > **3.5" desktop conversion bracket**
- > **Acronis True Image HD, Disk Migration Utility**
- > **3-Year warranty**
- > **OS Compatibility:** Windows 7 / Windows XP / Windows Vista / Mac OS X / Linux



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Environmental Parameters

- > **Power Consumption:** 0.5W Idle
1.2W Active
- > **Operating Temperature:** 0~70°C
- > **Storage Temperature:** -40~85°C
- > **Shock Resistance:** 1500G
- > **ECC Recovery:** Up to 55 bits correctable per 512-byte sector (BCH)
*varies depending on exact configuration
- > **Operating Humidity:** 10% to 90% RH (0° to 40°C)
- > **Storing Humidity:** 5% to 90% RH (-10° to 40°C)
- > **Max Operating Altitude:** 12000m
- > **Certifications:** CE / FCC / VCCI / BSMI

Ordering Information

Description	Capacity	ADATA Part No.	EAN Code
SX900S3 64GB SF2281	64 GB	ASX900S3-64GM-C	4713435794722
SX900S3 128GB SF2281	128 GB	ASX900S3-128GM-C	4713435794616
SX900S3 256GB SF2281	256 GB	ASX900S3-256GM-C	4713435794739
SX900S3 512GB SF2281	512 GB	ASX900S3-512GM-C	4713435794746

Dimensional Drawings

