

ADATA Premier Pro SP900 Solid State Drive SATA 6Gb/sec

Specifications

- > **Capacities:** 64/128/256 GB
- > **NAND Flash Components:** 2xnm Multi-Level Cell (MLC) Asynchronous 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 ATTO (MB/sec)	Write Speed ATTO (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 505	185	75	55	75
128 GB	Up to 550	Up to 520	210	145	95	140
256 GB	Up to 555	Up to 530	220	255	150	215

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
0.9W Active
- > **Operating Temperature:** 0~70°C
- > **Storage Temperature:** -40~85°C
- > **Weight:** 76g
- > **Certifications:** CE / FCC / VCCI / BSMI
- > **Operating Humidity:** 10% to 90% RH (0° to 40°C)
- > **Storing Humidity:** 5% to 90% RH (-10° to 40°C)
- > **Max Operating Altitude:** 12000m
- > **Shock Resistance:** 1500G
- > **ECC Recovery:** Up to 55 bits correctable per 512-byte sector (BCH)
*varies depending on exact configuration

Ordering Information

Description	Capacity	ADATA Part No.	EAN Code
SP900S3 64GB SF2281	64 GB	ASP900S3-64GM-C	4713435794753
SP900S3 128GB SF2281	128 GB	ASP900S3-128GM-C	4713435794623
SP900S3 256GB SF2281	256GB	ASP900S3-256GM-C	4713435794760

Dimensional Drawings

