S700 PRO 2.5" SSD

Designed to enhance the response speed of notebooks and desktops, HP S700 pro 2.5-inch SSD provides high speed for startup, loading and transmission, comprehensively accelerating the computer system, and bringing smooth and responsive operation experience. In strict compliance with HP quality standards, S700 pro 2.5-inch SSD features high reliability, compatibility, and 3-year limited service. HP also provides free Acronis cloning to guarantee a convenient system upgrade.

| Dual-core Controller | 3D NAND Flash | High Reliability | Data Security | Free Acronis Cloning |

Product Features

> Quality dual-core controller

The HP S700 pro 2.5-inch SSD features a dual-core HP controller with four flash memory channels. It hits speeds up to 570 MB/s read 525 MB/s write, improving your computer's responsiveness.

> Adopts 3D NAND flash

The built-in 3D NAND Flash in HP S700 pro 2.5-inch empowers the SSD with higher storage density and lager capacity, better reliability and durability than the traditional 2D NAND Flash can bring forth.

> Excellence in reliability

The S700 pro 2.5-inch SSD supports NCQ full-speed command queues and TRIM to provide quick response to notebooks and PCs. It also has LDPC error correction mechanism, which enhances the hard drive's longevity and reliability.

> Makes the data more secure

In strict compliance with the write process of HP's internal firmware, built with professional security key, it can effectively stay away from the infringement of viruses and hackers.

> Free Acronis cloning software

Built with Acronis True Image, our customized Acronis version is optimized for our HP SSDs. It lets you easily transfer data, back-up or clone your data.

HP Advantage

HP is one of the world's most recognized and valuable brands (ranked annually by such organizations as BusinessWeek, Interbrand, and Boston Consulting Group). Fueled by innovative research and distinctive marketing, the HP brand is famous as a world leader in personal computers, printers and other IT products.

HP personal storage continues to forge ahead in technology, creating new storage products so customers can upgrade their computing experience with the comfort of a great product and a comprehensive after-sales system providing service globally.

Under an official worldwide license, HP personal storage (SSDs, DRAM, memory cards) products are designed, built, marketed, and sold by BIWIN Technology. All trademarks are property of the respective brand owners.

S700 PRO 2.5" SSD Product Specifications

Interface	SATA III, 6 Gb/s			
Form Factor	2.5 inch			
Capacity	128 GB	256 GB	512 GB	1 TB
Sequential Read Speed	560 MB/s	563 MB/s	564 MB/s	570 MB/s
Sequential Write Speed	512 MB/s	520 MB/s	525 MB/s	525 MB/s
Max. Random Read Speed (IOPS)	75 K	90 K	95 K	95 K
Max. Random Write Speed (IOPS)	90 K	100 K	102 K	105 K
TBW	80	165	340	500
Max. Working Voltage (V)	2.5	2.5	2.6	3.7
Max. Idle Voltage (V)	0.58	0.58	0.58	0.58
DEVSLP	5	5	5	5
Dimensions	100.0 x 69.8 x 6.7 mm			
Weight	⩽ 50 g			
MTBF	⩽ 2,000,000 hours			
Storage Temperature	-40 ℃ to 85 ℃			
Working Temperature	0 ℃ to 70 ℃			
Vibration Resistance	3.1 G RMS			
Shock Resistance	100 G / 6 ms			
Certifications	CE, CB, FCC, cTUVus, KCC, BSMI, VCCI, RoHS, RCM			
Warranty / Support	3-Year Limited			

* Tested by our labs. Speed varies according to your computer's capabilities and environment.
* The pictures are for illustration only. Actual product may vary due to product enhancements or changes.

1. Updates are required throughout product life cycle when necessary. HP reserves the right to change product images and specifications at any time without notice.

2. All product specifications are under internal test results and are subject to variations by user's system configuration.

3. Not all products are sold in all regions of the world.

4. As used for storage capacity, one megabyte (MB) = one million bytes, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for buffer or cache, one megabytes (MB) = 1,048,576 bytes. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabyte per second (GB/s) = one billion bytes per second. The maximum valid value for the SATA 6GB/s transfer rate is calculated based on the serial ATA specification published by the SATA-IO organization prior to the date of publication of this specification. For more information, please visit www.sata-io.org.

5. Measured using the MobileMark™ 2012 benchmark with DIPM (Device Induced Power Management) enabled.

6. MTBF = Mean Time Between Failures based on internal testing using Telcordia stress test.