



# HP SSD S650 2.5"

## Significant Performance Upgrade

HP SSD S650 2.5" SSD is designed to upgrade the storage space of mainstream brand desktop and laptop PC. Equipped with high performance master control, it gives you the thrill of booting in seconds, with data reading speed up to 560 MB/s, about 5 times faster than traditional mechanical drives, with higher performance and more powerful multitasking capabilities. Up to 1920 GB expandable capacity, very cost-effective, to meet the user's business & entertainment needs.



High performance,  
low power  
consumption

Data read speed up  
to 560 MB/s

Expandable capacity  
up to 1920 GB

Compatible with a  
wide range of  
mainstream devices

3-Year Limited  
warranty

## Product Features

### > Large capacity, Strong storage

Five capacity options: 120 GB/240 GB/480 GB/960 GB/1920 GB Photos, videos, movies, documents and other data storage, to meet the needs of office and entertainment. For gamers and designers, the HP S650 is undoubtedly the choice of high cost performance!

### > High-speed read/write speed, Better office efficiency

Adopting 3D NAND flash memory components, supporting mechanisms such as LDPC ECC error correction and intelligent SLC Cache, configured with SATA3.0 high-speed interface, the maximum read and write speed can reach 560 MB/s, 500 MB/s, extraordinary high-speed experience, significantly improving work efficiency.

### > Strong compatibility, Easy upgrade

The classic 2.5" hard drive design allows the HP S650 to be compatible with mainstream desktop and laptop computers, making it easy to upgrade storage space on old computers and manage data.

### > Quality after-sales service

3-year warranty, only replacement without repair, free technical support.

### > Fast response, No more waiting

HP S650 2.5" SSD is equipped with high quality components and high performance master control, which dramatically improves system response time with incredible boot, load and document transfer time. Lower latency, solve the problem of device lag and slow transmission, let you experience the thrill of instant boot up!

## HP Advantage

HP, the world's leading IT company, the world's top 500, business covers IT infrastructure equipment, storage, commercial and home computers, printers, digital imaging and other fields, PC shipments for many years in the world's top, the world's billion industry elite are using. HP continues to forge ahead in storage technology and make every effort to create new storage products, and will continue to be committed to providing high-quality, reliable storage products and services to consumers around the world. HP has a comprehensive after-sales system and service outlets in the global region to provide users with a full range of after-sales services.



# HP SSD S650 2.5" Product Specifications

| Basic Specifications          |   |                |                 |                 |                 |
|-------------------------------|---|----------------|-----------------|-----------------|-----------------|
| Capacity                      | 120 GB                                      | 240 GB         | 480 GB          | 960 GB          | 1920 GB         |
| Interface                     | SATA III 6 Gb/s                             |                |                 |                 |                 |
| Performance                   |   |                |                 |                 |                 |
| Sequential Read Speed (MB/s)  | 560   | 560            | 560             | 560             | 560             |
| Sequential Write Speed (MB/s) | 480   | 450            | 490             | 500             | 500             |
| Random Read Speed (IOPS)      | 83 K  | 40 K           | 82 K            | 84 K            | 76 K            |
| Random Write Speed (IOPS)     | 70 K  | 71 K           | 71 K            | 72 K            | 77 K            |
| Physical Size                 |   |                |                 |                 |                 |
| Size                          | 100x70x6.7 mm                               |                |                 |                 |                 |
| Weight                        | Less than 50 g                              |                |                 |                 |                 |
| Reliability                   |   |                |                 |                 |                 |
| MTBF                          | Longer than 1,000,000 hours                 |                |                 |                 |                 |
| Environmental                 |   |                |                 |                 |                 |
| Storage Temperature           | -40 °C to 85 °C                             |                |                 |                 |                 |
| Working temperature           | 0 °C to 70 °C                               |                |                 |                 |                 |
| Vibration strength            | 3.1G RMS ( 2-500 Hz )                       |                |                 |                 |                 |
| Impact strength               | 100 G/6 ms                                  |                |                 |                 |                 |
| Certification                 | CE, FCC, RoHS, KCC, VCCI, RCM, BSMI, cTUVus |                |                 |                 |                 |
| Warranty / Support            | 3 Years/40 TBW                              | 3 Years/80 TBW | 3 Years/150 TBW | 3 Years/300 TBW | 3 Years/600 TBW |

Specifications are subject to change without notice.

1. Backward compatible to Gen2 and Gen1.
2. Not all products are sold in all regions of the world.
3. When used to represent storage capacity, 1 megabyte (MB) = 1 million bytes, 1 gigabyte (GB) = 1 billion bytes. Depending on the operating environment, the total capacity that can be used will vary. Used to indicate buffer or cache when 1 megabyte (MB) = 1,048,576 bytes. Used to represent the transmission rate or interface, 1 megabyte/s (MB/s) = 1 million bytes per second, 1 gigabytes per second (Gb/s) = 1 billion bytes per second. The maximum valid value for the SATA 6 GB/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](http://www.sata-io.org).
4. Measured using the MobileMark™ 2012 benchmark with DIPM enabled (device-initiated power management).
5. MTBF = Mean Time Between Failures, based on internal tests using the Telcordia stress test.
6. Please visit <https://support.hp.com> for details on warranty service of specific areas.

