



# HP Portable SSD P800



The Portable SSD P800 is new generation of portable storage device with high-performance. It features plug-and-play installation, and can be used on notebooks and desktops to provide high-speed data transmission anytime and anywhere.

To build ultra-high-speed mobile storage, HP launched the flagship-level portable SSD P800 with a revolutionary Thunderbolt™ 3 interface that offers transmission bandwidth of 40Gb/s. Built by PCIe Gen3x4 SSD modules internally, HP P800 provides up to 2400MB/s and 1200MB/s of read and write performance, which brings innovative experience for the transmission and backup of large-capacity data, and provides advanced external storage.

## Thunderbolt™ 3 interface for high-speed transmission

HP P800 adopts the latest-generation Thunderbolt™ 3 interface with a theoretical bandwidth 40GB/s, supporting the interface of PCIe Gen3x4 SSD. It is supported with a strong and high-performance SSD core, contributing to amazing and stable reading and writing speed of 2400MB/s and 1200MB/s. HP P800 guarantees rapid transmission and easy backup for high-volume files and important data.



**Thunderbolt™ 3 Interface**



**Embedded Cable**



**Metallic Design**



**CES 2018 Innovation Awards**

## Integrated design of the cable in SSD

HP P800 features integrated design of USB cable in SSD to make mobile storage even more convenient. Its aircraft-grade aluminum magnesium chassis and advanced anodizing process makes for a smooth and comfortable grip. The aesthetics contributes to a professional, stylish, and high-quality appearance, and provides a new option for high-speed and compact external data storage.

## Unparalleled reliability

The P800 uses 3D NAND Flash that is rigorously tested for durability, to provide higher storage density and capacity than traditional 2D Nand flash. It supports NCQ full-speed command queues and TRIM instruction, and has an LDPC error correction mechanism, which can greatly improve the life and reliability of the drive, and meet the expectation of customers with high demands.

## Guaranteed data security

The P800 is based on HP's high-quality core standards for SSDs, and all components have passed advanced and rigorous tests. It has 2 million hours of MTBF (mean time between failures), making for high levels of reliability and long periods of assuring use. HP P800 offers a 3-year limited warranty with HP brand quality assurance.



## Advantages

With continuously improved storage technology, HP SSD provides customers with the latest storage solution of high performance in the server and consumer market. Compared with HDDs, HP SSD can improve the performance of your entire system, providing: superior performance, improved start-up time, faster application load times, longer battery life, and better vibration resistance. As the leader in the PC industry, HP SSD quality assurance begins at the R & D design stage and continues through the whole production process. Quality is designed into every product in accordance with HP's corporate philosophy. HP SSD fully supports HP computer DST self-test to ensure the reliability in use. HP has an excellent global network of service outlets to support users with questions about the product. We also offer a toll-free customer support hotline, and you can find more details from our HP website.



# HP Portable SSD P800 Product Specifications

Specifications	HP Portable SSD P800			
	256GB	512GB	1TB	2TB
<b>Interface</b>				
HP Portable SSD P800	Thunderbolt™ 3 Type C			
<b>Performance</b>				
Max. sequential reading speed	2400MB/s	2400MB/s	2400MB/s	2400MB/s
Max. sequential writing speed	1200MB/s	1200MB/s	1200MB/s	1200MB/s
Random reading speed	160K IOPS	260K IOPS	290K IOPS	310K IOPS
Random writing speed	170K IOPS	180K IOPS	190K IOPS	190K IOPS
<b>Reliability</b>				
MTBF	Up to 2 million hours			
<b>Environment</b>				
Storage temperature	-20°C to 70°C			
Operating temperature	0°C to 45°C			
Max. vibration Resistance	3.1G RMS (2-500 Hz)			
Certifications	CE, CB, FCC, cTUVus, RoHS			
Limited Warranty	3 years			
<b>Dimensions &amp; Weight</b>				
Dimensions	141x 72.4 x18.5 mm			
Weight	210g			
Compatibility	Apple MacOS X 10.3 and above, Windows 10 and above; Available Thunderbolt™ 3 interface			

Specifications are subject to change without notice.

1. The maximum transmission data is based on HP internal test standards, tested on host device with Thunderbolt™ 3 interface. The performance may vary due to different system or hardware configuration. To achieve the maximum transmission speed, please use the original data cable.

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

3. When calculating storage, 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.

4. MTBF = Mean Time Between Failures, based on internal tests using the Telcordia stress test.

5. Please visit <https://support.hp.com> for details on warranty service of specific areas.

