



HP SSD EX950 M.2 PCIe



Interface:
PCIe Gen3 × 4

Specification:
M.2 2280

Capacity:
512GB | 1TB | 2TB

HP EX950 M.2 is an eSports SSD with the best performance and a new generation ultra-high-performance storage device which supports PCIe Gen3 × 4 interfaces and new version of NVMe1.3 standard. With read and write speeds reaching up to 3500MB/s and 2900MB/s respectively, it fully satisfies the need of gamers, DIYers, overclocking masters or audio and video editors for ultra strong performance and reliability.

Product Features

Strong-performance and unlimited

HP EX950 M.2 is a HP SSD intended for eSports, which adopts NVMe 1.3 new generation data transfer protocol and supports PCIe Gen3(8Gb/s) x4 channels of data transmission. With read and write speeds reaching up to 3500MB/s and 2900MB/s respectively, it is a good choice for performance improvement of high-end motherboard, gaming laptop and Ultrabook, etc.

An eSports SSD born for game

HP EX950 M.2 SSD is suitable for mainstream eSports motherboard and is applicable to upgrade of gaming laptop, performance improvement of game platform, by accelerating of game startup, map loading and scene change, etc.

HP PCIe master controller is powerful and stable

HP EX950 M.2 is furnished with SSD high-performance master controller of HP 8 flash memory channel and 3D NAND flash memory, supporting PCIe Gen3(8Gb/s) x4 interfaces and new version of NVMe1.3 standard. ALL these have given it excellent high-speed read-write performance.

Five-year warranty and quality reliability

HP provides five-year warranty service for EX950. In accordance with strict test standard for hard disk, each SSD must undergo rigorous test before delivery so as to ensure product quality.

Product Application

HP EX950 M.2 is an eSports SSD with the best performance and featured by strong performance, low power consumption and ultra-long standby time. It is applicable to devices such as high-end motherboard, gaming laptop and Ultrabook.



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 EX950 M.2 PCIe Product Specifications

| Specifications | HP SSD EX950 M.2 | | |
|--------------------------------|---|-----------|-----------|
| | 512GB | 1TB | 2TB |
| DRAM | 512MB | 1GB | 2GB |
| Interface | | | |
| HP SSD EX950 M.2 2280 | PCIeGen3(8Gb/s) × 4, NVMe1.3 | | |
| Performance | | | |
| Max. sequential reading speed | 3500MB/s | 3500MB/s | 3500MB/s |
| Max. sequential writing speed | 2250MB/s | 2900MB/s | 2900MB/s |
| Random reading speed | 390K IOPS | 410K IOPS | 410K IOPS |
| Random writing speed | 370K IOPS | 370K IOPS | 380K IOPS |
| Reliability | | | |
| MTBF | Up to 2 million hours | | |
| Environment | | | |
| Storage temperature | -40° C ~ 85° C | | |
| Operating temperature | 0~70° C | | |
| Max. vibration Resistance | 100 G/6 msec | | |
| Certifications | CE, CB, FCC, cTUVus, KCC, BSMI, VCCI, RoHS, RCM | | |
| Dimensions & Weight | | | |
| Size | 80x 22 mm | | |
| Thickness | ≤ 3.8mm | | |
| Weight | ≤ 5.4g | | |

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 gigabyte per second (Gb/s) = 1 billion bytes per second.
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.

