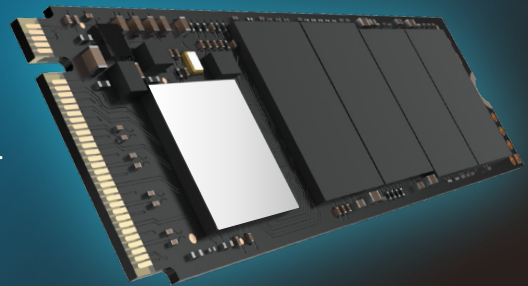# HP

EX900 M.2 PCIe SSD

HP SSD EX900 M.2 hits speeds up to 2150 MB/s read and 1815 MB/s write, offering PCIe Gen 3 x 4 interface and NVMe 1.4. HP EX900 with high-speed performance can upgrade your gaming laptops and desktops with ease. It is the ideal kit for PC builders, gamers and professional content creators seeking exceptional performance and high reliability.

| PCIe Gen 3 x 4 interface | 3D NAND Flash | Excel in reliability | Data security |

Product Features

> 4-channel Master Controller

Equipped with a controller offering 4 flash memory channels, EX900 supports PCIe 3.0 x 4 and new NVMe1.4 specification. The performance of SSD is further improved to bring the potential of PCs into full play and improve system responsiveness.

> 3D NAND Flash

EX900 adopts 3D NAND Flash, offering better storage density and reliability than general 2D Flash. With the high performance and reliability, EX900 is applicable as both a system disk and a data storage disk.

> Excel in Reliability

EX900 supports NCQ full-speed command queues and TRIM instructions to provide continuous and fast response to notebooks and PCs. The NANDXtend ECC technology greatly enhances the durability and data storage ability of NAND, meeting the expectation of workers with high demands.

> Data Security

HP secure end to end internal firmware and professional-level security key write process can effectively protect against viruses and hacks. HP EX900 series offer a 3-year limited warranty with HP brand quality assurance.

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.

EX900 M.2 PCIe SSD Product Specifications

	120 GB	250 GB	500 GB	1 TB
Interface	PCIe 3.0 x 4, NVMe 1.4			
Form Factor	M.2 2280			
Capacity	120 GB	250 GB	500 GB	1 TB
Max. Sequential Reading Speed (MB/s)	1900	2100	2100	2150
Max. Sequential Writing Speed (MB/s)	650	1100	1500	1815
Random Read Speed (IOPS)	110 K	120 K	120 K	250 K
Random Write Speed (IOPS)	100 K	105 K	108 K	260 K
Write Power Consumption (W)	2.46	2.99	3.52	3.55
Idle Power Consumption (W)	0.68	0.68	0.68	0.68
DEVSLP (mW)	5	5	5	5
MTBF	$\leqslant$ 2,000,000 Hours			
Dimensions	80.00 x 22.00 x 2.40 mm			
Weight	$\leqslant$ 5.4 g			
Storage Temperature	-40 ℃ to 85 ℃			
Working Temperature	0 ℃ to 70 ℃			
Shock Resistance	100 G / 6 ms			
Vibration Resistance	3.1 G RMS (2-500 Hz)			
Certifications	CE, CB, FCC, cTUVus, BSMI, KCC, VCCI, RoHS, RCM			
Limited Warranty	3-Year / 70 TBW	3-Year / 100 TBW	3-Year / 200 TBW	3-Year / 500 TBW

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