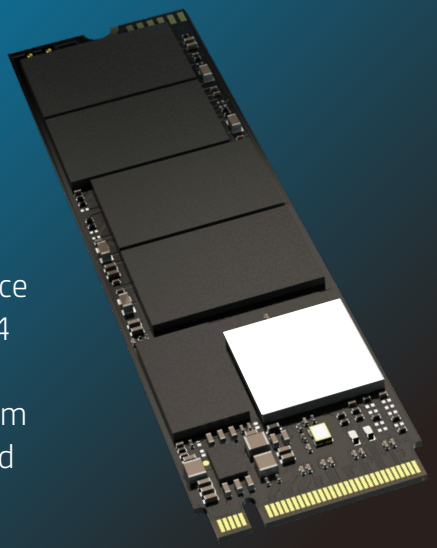
EX900 Pro M.2 SSD

HP SSD EX900 Pro M.2 is a new generation of ultra-high-performance storage device with an independent cache. It supports PCIe Gen 3 x 4 interface (theoretical bandwidth of 32Gbps) and the new NVMe 1.3 protocol. Its maximum read speed reaches 2250 MB/s and its random read reaches 180K IOPS. It is the ideal kit for PC builders, gamers and professional content creators seeking exceptional performance and high reliability.



4-channel Controller | 3D NAND Flash | Wide Compatibility | Independent Cache | Free Acronis Cloning

Product Features

> 4-channel Controller

Equipped with a controller offering 4 flash memory channels, the EX900 Pro supports PCIe 3.0x4 and NVMe1.3. It also features NANDXtend™ ECC, SRAM ECC and end-to-end data protection, eventually tapping the potential of gaming laptops and high-end desktops.

> 3D NAND Flash Memory

Crafted with 3D NAND flash memory, the HP EX900 Pro features better storage density and reliability than the general 2D Flash, bringing out an outstanding performance. A capacity up to 1 TB stores your large files and games with ease.

> Wide Compatibility

The EX900 Pro has passed a strict quality control, including electrical, application and compatibility tests before delivery. It is widely compatible with gaming laptops and high-end desktops, enabling you to upgrade your devices and run your system efficiently.

> Independent Cache

Equipped with an independent cache, the HP EX900 Pro M.2 is ideal for storing temporary data, which can effectively reduce continuous write performance, thus prolonging the lifespan of SSD.

> 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, 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 Pro M.2 SSD Product Specifications

Interface	PCIe 3.0 x 4, NVMe 1.3		
Capacity	256 GB	512 GB	1 TB
Max. Sequential Read Speed	2240 MB/s	2240 MB/s	2250 MB/s
Max. Sequential Write Speed	1350 MB/s	1960 MB/s	2060 MB/s
Max. Random Read Speed (IOPS)	88 K	172 K	180 K
Max. Random Write Speed (IOPS)	150 K	151 K	163 K
Max. Working Voltage (W)	3.22	4.29	4.38
Max. Idle Voltage (W)	0.66	0.67	0.68
Dimensions	80.00 x 22.00 x 2.40 mm(single-sided)		
Weight	⩽ 5.4 g		
MTBF	⩽ 2,000,000 Hours		
Storage Temperature	-40 ℃ to 85 ℃		
Working Temperature	0 ℃ to 70 ℃		
Vibration Resistance	3.1 GRMS (2-500 Hz)		
Shock Resistance	100 G / 6 ms		
Certifications	CE, FCC, RoHS, cTUVus, KCC, BSMI, VCCI, RCM		
Limited Warranty	5-Year / 160 TBW	5-Year / 320 TBW	5-Year / 650 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. 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.

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3. Product are subject to regional availability.
4. Instructions for purchasing high-frequency memory: overclocking memory needs to be equipped with a matching motherboard and processer to exert its overclocking performance. Please verify prior to purchase whether your motherboard and CPU support the specifications of what you want to buy. Activate XMP after installation to enjoy the overclocking speed.