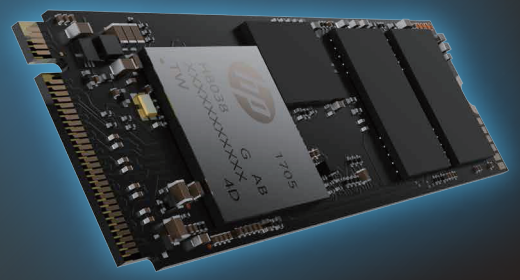
HP SSD
EX920 M.2 PCIe

Designed for gaming notebooks and advanced desktops, HP EX920 M.2 is a new generation SSD with ultra-high performance that supports PCIe Gen3x4 interface and new NVMe 1.3 specification. With read and write speed as high as 3200MB/s and 1800MB/s respectively, EX920 fully meets the demand for ultra-high performance and reliability of advanced hardware players, e-gamers and professional media producers.



Interface:
PCIe Gen3 x 4

Form Factor:
M.2 2280

Capacity:
256GB/512GB/1TB

Product Features

> HP High-end Controller with 8 Channels

Configured with an HP high-end Controller, EX920 M.2 supports PCIe Gen3x4 interface and NVMe 1.3 specification. With a theoretical bandwidth of 32Gbps, 8 flash memory channels and large capacity DDR, EX920 fully releases the performance potential of gaming notebooks and advanced desktops.

> Adopt 3D Nand Flash

EX920 adopts 3D NAND Flash subject to rigorous HP quality tests, offering better storage density and reliability than general 2D Flash. Even with the specification of M.2 2280, it has a capacity of 2TB and guarantees high performance and durability.

> Excellence in reliability

EX920 series supports NCQ full-speed command queues and TRIM instructions to provide continuous and fast response to notebooks and PCs. The NANDXtend ECC technology of EX920 greatly enhances the durability and data storage ability of NAND, meeting the expectation of workers with high demands.

> Make the data more secure

HP secure end to end internal-firmware and professional-level security key write process can effectively protect against viruses and hacks.HP EX920 series offer a 5-year limited warranty with HP brand quality assurance.

Applications

With a size of 22x80x3.5mm (2280), EX920 M.2 SSD is a new storage solution with ultra-high performance, lower latency and power consumption. Compatible with Intel and AMD new generation motherboard architecture, EX920 unleashes the potential of computers and is applicable to notebooks and desktops with PCIe M.2 interface.

HP SSD Advantage

With continuously improved storage technology, HP SSD provides customers with the latest storage solution of high performance in the server and consumer market . 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 system reliability.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 series fully supports HP computer DST self-test to ensure that the product will seamlessly support all HP branded PC systems. By the same token, since HP computers use the majority of contemporary computer platforms, the HP SSD is a highly compatible drive regardless of PC brand.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.

EX920 M.2 PCIe Specifications

Specifications	HP SSD EX920 M.2		
	256GB	512GB	1TB
DRAM	256MB	512MB	1GB
Interface/Protocol			
HP SSD EX920 M.2 2280	PCIe Gen 3(8Gb/s) x 4, NVMe 1.3	PCIe Gen 3(8Gb/s) x 4, NVMe 1.3	PCIe Gen 3(8Gb/s) x 4, NVMe 1.3
Performance (4KB QD32)			
Max. Sequential Read (MB/s)	3200	3200	3200
Max. Sequential Write(MB/s)	1200	1600	1800
Max. Random Read (IOPS)	180K	340K	350K
Max .Random Write (IOPS)	250K	260K	250K
Power Consumption			
Power Consumption (Active) (W)	4.29	5.61	6.23
Power Consumption (Idle) (W)	0.73	0.73	0.73
DEVSLP (mW)	5	5	5
Reliability			
MTBF	2,000,000 hours		
Environmental			
Non-Operating Temperature	-40° C to 85° C		
Operating Temperature	0° C to 70° C		
Max Shock Resistance	100 G/6 msec		
Max Vibration Resistance	3.1G RMS (2-500 Hz)		
Certificates	CE、CB、FCC、cTUVus、KCC、BSMI、VCCI、RoHS、RCM		
Limited Warranty	5 years or 160 TBW	5 years or 320 TBW	5 years or 650 TBW
Physical Dimensions			
Size	80 x 22 x 3.5 mm		
Weight	⩽ 5.4 g		

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 operatingenvironment, the total capacity that can be used will vary. Used to indicate buffer or cache when 1 megabyte (MB) = 1,048,576 bytes. Used torepresent 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、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.

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