



HP FX900 PCIe 4.0 SSD

The transition to PCIe 4.0 enables a faster and more powerful generation of NVMe SSDs: the high-performance HP FX900 uses its PCIe Gen 4 x4 controller to support the new NVMe 1.4 high-speed protocol and ECC (Error Correction Code) based on 4K LDPC technology. Sequential read and write speeds can reach about 1.6 times faster than the data transfer rate of PCIe 3.0.



New-generation
NVMe 1.4 Protocol

4-Channel PCIe 4.0
master controller

Read speed
up to 5000 MB/s

Large capacity
of up to 2 TB

Graphene pad for
efficient heat dissipation

Product Features

> The faster speed of a new NVMe generation

HP FX900 is equipped with a high-performance 4-channel PCIe 4.0 master controller to better support the new-generation NVMe 1.4 protocol. Its 5000 MB/s read and 4800 MB/s write speeds are about 1.6 times faster than the transfer rate of the previous PCIe generation. Perfect for avid gamers, overclockers, and PC enthusiasts.

> Low power consumption saves costs & extends SSD lifespan

The controller has a built-in PMU with high-quality power management to achieve multi-level power-savings and to prevent overheating, reduce power consumption, and extend the SSD lifespan.

> Born for gamers, enjoy a winning experience

Designed for gaming, HP FX900 SSD provides higher bandwidth and throughput for heavy-duty applications and the large files required when you load a game. It saves time when loading programs, offers better system response, and brings an unbeatable user experience.

> Graphene thermal pad dramatically reduces heat

The FX900 comes with graphene thermal pad for effective heat dissipation which works to keep the SSD's temperature lower, allowing (even though you're running at faster speeds) for more stability and optimal performance.

> Max. capacity of 2 TB for all your needs

To meet the storage needs of professionals in gaming, content creation and data, FX900 comes in capacities of 256 GB / 512 GB / 1 TB / 2 TB.

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.



HP FX900 PCIe 4.0 SSD Product Specifications

Interface	PCIe Gen 4.0 x 4, NVMe 1.4			
Form Factor	M.2 2280			
Capacity	256 GB	512 GB	1 TB	2 TB
Max. Sequential Read Speed (MB/s)	4600	4900	5000	5000
Max. Sequential Write Speed (MB/s)	1700	3300	4800	4800
Max. Random Read Speed (IOPS)	281 K	545 K	828 K	820 K
Max. Random Write Speed (IOPS)	325 K	501 K	663 K	645 K
Dimensions	80 x 22 x 2.4 mm			
Weight	≤ 10 g			
MTBF	≥ 1,000,000 hours			
Storage Temperature	-40 °C ~ 85 °C			
Working Temperature	0 °C ~ 70 °C			
Vibration Resistance	3.1 G RMS (2-500 Hz)			
Shock Resistance	100 G / 6 ms			
Certifications	CE, CB, FCC, cTUVus, KCC, BSMI, VCCI, RoHS, RCM			
Warranty / Support	5-Year 100 TBW	5-Year 200 TBW	5-Year 400 TBW	5-Year 800 TBW

Specifications subject to change without notice.

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 the 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 megabyte (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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 2. All product specifications are under internal test results and are subject to variations by user's system configuration.
 3. Product are subject to regional availability.
 4. Instructions for purchasing high-frequency memory: overlocking memory needs to be equipped with a matching motherboard and processor to meet its overlocking 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 overlocking speed.