



# FX900 Pro PCIe 4.0 SSD

FX900 Pro M.2 SSD is a PCIe 4.0 high-speed SSD, a new generation enabling superior performance. With a high-performance 8-channel Gen 4 x4 controller and advanced NVMe 1.4 protocol, FX900 Pro achieves up to 7400 MB/s read speed-- that's 2.1X faster than PCIe 3.0 SSD and 13.2X faster than SATA SSD. The independent DRAM cache and ultra-low data delay make it ideal for gamers and professionals seeking ultimate experiences.



8-Channel  
host controller

Independent  
DDR4 cache

Advanced NVMe  
technology

Up to  
4 TB capacity

Graphene  
thermal pad

5-year  
limited warranty

## Product Features

### > Supreme speed of 7400 MB/s read and 6700 MB/s write

Designed for high performance and gaming, FX900 Pro uses 8-channel Gen 4 x4 controller, supports NVMe 1.4 technology, and takes the sequential read/write speeds up to 7400 MB/s and 6700 MB/s. It breaks through the performance bottleneck of previous PCIe generations to upgrade the computing experience for gamers, professionals, and video makers.

### > Store more and play more with up to 4 TB capacity

With capacity choices of 512 GB / 1 TB / 2 TB / 4 TB, HP FX900 Pro SSD gives you the space to store your favorite games, design, 4K HD photos, videos and large files. You'll still have room for the next big title.

### > Dynamic SLC caching and DRAM cache buffer

Equipped with DRAM independent cache, FX900 Pro greatly improves 4K random read and write performance and reduces SSD access delay. It also supports NCQ (Native Command Queuing) and TRIM command for multi-tasking performance with a continuously fast speed.

### > Graphene thermal pad for efficient heat dissipation

Using graphene foam with high thermal conductivity, the working temperature is effectively reduced by about 20 °C. This heat dissipation design is able to reliably reduce performance fluctuations and ensures the fast speed and stable operation of SSD.

### > Master 3A games, be fully loaded in seconds

Now you can easily boot up a large AAA game, load a map, and switch scenes on synchronous multiplayer games with pro level performance. Combining remarkable read and write speed with ultra-low data delay, FX900 Pro allows you to load and play games as soon as you're ready.

### > Enjoy HP's worry-free customer service

Comes with 5-year limited warranty and free technical support.

## 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.

# FX900 Pro M.2 SSD Product Specifications

Interface	PCIe Gen4x4			
Form Factor	M.2 2280			
Capacity	512 GB	1 TB	2 TB	4 TB
DRAM Cache	1 GB	1 GB	2 GB	4 GB
Max. Sequential Reading Speed (MB/s)	7400	7400	7400	7400
Max. Sequential Writing Speed (MB/s)	3800	6400	6700	6300
Random Read Speed (IOPS)	540 K	1014 K	1344 K	1350 K
Random Write Speed (IOPS)	938 K	1079 K	1122 K	1150 K
Dimensions	80 x 22 x 3.2 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 GRMS (2-500 Hz)			
Shock Resistance	100 G / 6 s			
Certifications	CE, FCC, RoHS, cTUVus, KCC, BSMI, VCCI, RCM			
Limited Warranty	5-Year / 300 TBW	5-Year / 600 TBW	5-Year / 1200 TBW	5-Year / 2400 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](http://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.

