HP FX700

PCIe 4.0 SSD



Featuring a cutting-edge PCIe Gen4 x4 NVMe controller with a NVMe 2.0 interface, HP FX700 provides improved responsiveness, faster applications, quicker game loading, and seamless multitasking. It brings smooth workflow for creators, and top-tier gaming performance for enthusiastic players. It adopts a standard M.2 2280 single-sided PCB to perfectly fit into mainstream PCs and laptops. Its low power consumption is an attrarctive feature especially for laptops where low power means a longer battery life.

PCIe Gen4 x4 | NVMe 2.0 | Up to 7200 MB/s | Graphene thermal pad | Full capacity of 4 TB

Product Features

> Impressive speed hitting 7200 MB/s

PCIe 4.0 is twice as fast as PCIe 3.0. HP FX700 adopts a cutting-edge PCIe Gen4 x4 NVMe controller with NVMe 2.0 interface for improved responsiveness, faster app/game loading, and seamless multitasking. It brings smooth workflow for creators, and top-tier gaming performance for enthusiastic players.

> Play it cool with better heat dissipation

HP FX700 SSD comes with a graphene thermal pad with 0.5 mm thickness for lower temperatures and more reliable performance when you are at the busy peak of your work or play. Whether it s digital design, 3D rendering, video blogging, or more-than-casual gaming, after you upgrade to FX700 your content creation will be able to punch through any heavy workload with more reliability and faster speed.

> Capacity up to 4 TB

Crafted with new-gen NAND Flash, HP FX700 brings a longer lifespan and more storage capacity. It is available in capacities up to 4 TB, you'll have plenty of space to store your favorite songs, movies, and games.

> Standard M.2 2280 interface

Adopting a standard M.2 2280 single-sided PCB, HP FX700 fits into mainstream PCs and laptops. It also can work as the external drive of your PS5 to store your games.

> PMIC for longer battery life

Built with a power management unit (PMU) in the host controller and a power management IC (PMIC), the FX700 PCIe Gen4 x4 SSD offers low power consumption and lower running costs. For laptops, low power requirements translate into longer battery life.

>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 is one of the world's most recognized and valuable brands (ranked annually by such organizations as BusinessWeek, Interbrand, and Boston Consulting Group). Fueled by innovative research and distinctive marketing, the HP brand is famous as a world leader in personal computers, printers and other IT products.

HP personal storage continues to forge ahead in technology, creating new storage products so customers can upgrade their computing experience with the comfort of a great product and a comprehensive after-sales system providing service globally.

HP FX700 PCIe 4.0 SSD Product Specifications

Interface	PCIe Gen4 x 4, NVMe 2.0			
Form Factor	M.2 2280			
Capacity	512 GB	1 TB	2 TB	4 TB
Sequential Read Speed (Up to)	6300 MB/s	7200 MB/s	7200 MB/s	7200 MB/s
Sequential Write Speed (Up to)	3100 MB/s	6200 MB/s	6200 MB/s	6200 MB/s
Random Read Speed (Up to)	567K IOPS	1040K IOPS	1050K IOPS	1000K IOPS
Random Write Speed (Up to)	586K IOPS	809K IOPS	721K IOPS	820K IOPS
Max. Power Consumption (Read)	3.18 W	3.37 W	3.66 W	4.35 W
Max. Power Consumption (Write)	3.05 W	3.06 W	3.31 W	3.63 W
Max. Power Consumption (Idle)	39.76 mW	39.29 mW	40.37 mW	40.65 mW
Dimensions	80 x 22 x 2.4 mm			
Weight	Less than 10 g			
MTBF	2,000,000 hours			
Operating Temperature	0 ° C to 70 ° C			
Storage Temperature	-40 ° C to 85 ° C			
Vibration Resistance	3.1 GRMS (2-500Hz)			
Shock Resistance	100 G / 6 ms			
Certifications	CE, FCC, RoHS, KCC, VCCI, BSMI, RCM			
Warranty / Support	5-Year 200 TBW	5-Year 400 TBW	5-Year 800 TBW	5-Year 1600 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: 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.