

Solidigm™ P44 Pro

FEATURE BRIEF

Solidigm™ P44 Pro for Sony PS5 Console

Ready for Use in the Sony PS5^{1,2}

Uplevel your gaming experience and add the P44 Pro to your Sony PS5 gaming console. With blazing-fast PCIe 4.0 performance and sequential read speeds up to 7000 MB/s, the P44 Pro meets or exceeds published requirements for the Sony PS5 (refer to Table 2 below).

By adding the P44 Pro SSD to your Sony PS5, you can increase your performance over the onboard storage that comes with the console. With P44 Pro, you get super-fast speed, so loads and saves are quick, and transferring games takes mere moments. And don't worry—installation is simple and straightforward.

The P44 Pro Series is Solidigm's flagship, high-performance client SSD designed for today's most demanding workloads. With remarkably fast speed and great power efficiency,

the P44 Pro is ideal for intense performance workloads like gaming, content creation, video editing, and data analysis.

With up to 7000 MB/s sequential read speeds, the P44 Pro is a superb combination of speed and efficiency in a compact NVMe, M.2 form factor.

Upgrade Your Sony PS5 Secondary Storage With the P44 Pro

The standard Sony PS5 console comes with less than a terabyte of onboard storage space in its primary SSD. The good news is you can increase your storage capacity to play your favorite games, record video clips, take screenshots, and save other data. And upgrading your PS5 storage has never been easier, thanks to the secondary M.2 SSD slot in the PS5 that lets you add a second SSD, just like adding storage to your gaming PC.

The P44 Pro is optimized for power savings and thermal efficiency to help deliver consistent performance with minimal throttling. This lets you game harder and longer without concerns that your SSD will overheat and cause performance issues.

Here are just a few test results and that show how your PS5 gaming experience can improve with a P44 Pro Series SSD.



Enhance Your Sony PS5 Gaming Experience with Faster Game Launch and Continuance Times ³			
	Onboard Storage	Samsung 980 Pro	Solidigm P44 Pro
Elden Ring - Game Launch	11.8 seconds	12.4 seconds	11.7 seconds
Elden Ring - Continue Game	7.2 seconds	7.1 seconds	6.9 seconds

Table 1: Faster Launch and Game Continuance Times

Solidigm P44 Pro Meets or Exceeds Sony PS5 Published Requirements		
	Sony Requirement	Solidigm P44 Pro
Interface	PCIe 4.0 x 4	PCIe 4.0 x 4
Capacity	250GB - 4TB	512GB - 2TB
Form Factor	M.2 2230-22110	M.2 2280
Performance (Sequential read)	Greater than or equal to 5.5 GB/s	7 GB/s

Table 2: Comparison of Sony PS5 Requirements to Solidigm P44 Pro

For more details from Sony on requirements, including installation instructions, please see: [Sony Requirements](#)

Solidigm P44 Pro Specifications

Available Capacities	512GB	1TB	2TB
Performance Specifications			
Sequential Bandwidth - 100% Read (up to)	7000 MB/s	7000 MB/s	7000 MB/s
Sequential Bandwidth - 100% Write (up to)	4700 MB/s	6500 MB/s	6500 MB/s
Power - Active Sequential Write ⁴	7.5 W		
Power - Idle/PS3 ⁵	< 50 mW		
Power - Idle/PS4 ⁶	< 5 mW		
Reliability			
Vibration - Operating	2.0 G (20-2000Hz)		
Vibration - Non-Operating	2.0 G (20-2000Hz)		
Shock (Operating and Non-Operating)	1,500 G (Max) at 0.5 msec 1,500 G (Max) at 0.5 msec		
Operating Temperature Range	0°C to 70°C		
Operating Temperature (Maximum)	70 °C		
Operating Temperature (Minimum)	0 °C		
Endurance Rating (Lifetime Writes)	500 TBW	750 TBW	1200 TBW
Mean Time Between Failures (MTBF)	1.6 million hours		
Uncorrectable Bit Error Rate (UBER)	< 1 sector per 10 ¹⁵ bits read		
Warranty Period	5 years		
Package Specifications			
Form Factors	M.2 22 x 80mm		
Interface	PCIe 4.0 x4 NVMe 1.4		
Advanced Specifications			
Hardware Encryption	AES 256-bit Encryption, TCG Pyrite Supported		
End-to-End Data Protection	Supported		
NSIT Secure Erase	Supported		

About Solidigm

We're technology-driven and customer-inspired. We bring inventive, industry-changing data storage solutions that transform the way data is used and experienced. Our unsurpassed commitment to customer success enhances your ability to fuel your purpose and change the world.

Our Team

We're inventors, engineers, and problem solvers. We're a team that believes in data's unlimited potential to improve the world and fuel human advancement. Together, we will lead Solidigm and our industry into a new era of excellence, redefining the idea of data storage.

Why We Do What We Do

We believe that advancements in storage technology are critical to unlocking data's unlimited potential. We are united by a shared commitment to breaking barriers and turning that potential into reality. By reinventing how data is stored, accessed, and put to work in new ways, we empower our customers and unlock data's ability to do good.

Notes

- 1) Any reference to Sony or the Sony PS5 is not an indication of endorsement by Sony.
- 2) Heatsink is required by Sony for use in PS5. SSD + heatsink bundles will be available for purchase at select retailers.
- 3) Game launch times based on Solidigm testing with PS5 using on-board storage and Samsung 980 Pro vs Solidigm P44 Pro.
- 4) Power measured during 128 KB sequential writes with Queue Depth 32 workload using 100 ms sample period. This represents power that would be thermal load on system during heavy workload.
- 5) Power consumption during PCIe L1.2 link state with NVMe PS3.
- 6) Power consumption during PCIe L1.2 link state with NVMe PS4 for lowest power consumption.



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Built on Decades of Innovation

Solidigm launched when SK hynix acquired Intel's NAND and solid-state storage (SSD) business.

For more information about Solidigm see: <https://www.solidigm.com/en/about-us.html>

How to Order

The Solidigm P44 Pro is available now and can be ordered from various resellers and distributors. For a list of authorized resellers and distributors, see:

<https://www.solidigm.com/en/products/authorized-distributors.html>

For More Information

For more information about the Solidigm P44 Pro see: Client Products | Solidigm

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