

SANDISK OPTIMUS™ GX PRO

850P

M.2 2280 NVMe™ SSD
PCIe® 4.0 x4

THE OFFICIALLY LICENSED NVMe™ SSD FOR PS5® AND PS5® PRO CONSOLES.

Officially licensed for the PlayStation®5 and PlayStation®5 Pro consoles, the SANDISK Optimus™ GX PRO 850P NVMe™ SSD allows you to store more titles with worry-free installation. Instantly add up to 8TB¹ of storage to hold more of your favorite games. With an optimized heatsink built specifically for the PS5® and PS5® Pro M.2 slot, you won't need to worry about compatibility. Plus, the SANDISK Optimus™ GX PRO 850P NVMe™ SSD for PS5® consoles is tested for PlayStation®5 and PlayStation®5 Pro consoles, so you can store more and play more with confidence.



* PlayStation®5 console and vertical stand sold separately.

KEY FEATURES

- **LICENSED FOR PS5® AND PS5® PRO CONSOLES**
Officially licensed M.2 SSD for PlayStation®5 and PlayStation®5 Pro consoles⁴ so you can easily install and play with confidence.
- **STORE MORE, PLAY MORE**
With capacities ranging from 1TB¹ to 8TB¹, your PS5® or PS5® Pro console has the additional space to store up to 200 games³ (8TB¹ model).
- **KEEPS YOUR DATA COOL**
Experience uninterrupted gameplay with a brand-new, exclusive heatsink designed especially for the PS5® and PS5® Pro consoles for an easy, worry-free installation into the M.2 slot.
- **JUST PLAY**
Play directly from the drive and eliminate the need to transfer games or remove games from your console with tested and officially licensed storage for your PS5® or PS5® Pro console.⁴
- **INCREDIBLE SPEED FOR INCREDIBLE GAMING**
Push the envelope of PCIe® 4.0 technology with Sequential Read speeds up to 7,300MB/s² (1TB¹ - 4TB¹ models), giving you seamless gameplay and incredibly short load times.



PRODUCT FEATURES

OFFICIALLY LICENSED FOR YOUR PS5® CONSOLE

Store and play more titles on a drive that's officially tested and licensed for your PS5® console,⁴ so you can keep gaming with confidence.

STORE MORE, PLAY MORE

With up to 8TB¹ of capacity, your PlayStation®5 and PlayStation®5 Pro consoles⁴ have the additional space to store up to 200 games³ (8TB¹ model), so you still have room for the next big title.

NO MORE COMPROMISING

Play directly from the drive and eliminate the need to transfer or delete games from your console with tested and approved storage for your PS5® or PS5® Pro console.⁴

EXCLUSIVE HEATSINK DESIGN

With an exclusive heatsink design featuring the PlayStation® logo and optimized for the PlayStation®5 and PlayStation®5 Pro consoles' M.2 slot, installation and setup are worry-free.

STORAGE THAT MATCHES YOUR REFLEXES

Take advantage of PCIe® 4.0 NVMe™ Sequential Read/Write speeds up to 7,300/6,600 MB/s² (2TB¹ and 4TB¹ models) for a responsive and seamless gaming experience.

PRODUCT SPECIFICATIONS

CAPACITIES ¹	1TB	2TB	4TB	8TB
MODEL NUMBERS	SDSG81100TAH	SDSG81200TAH	SDSG81400TAH	SDSG81800TAH
FORM FACTOR	M.2 2280-S3-M		M.2 2280-D5-M	
INTERFACE ⁹	PCIe® 4.0 x4 NVMe™ 1.4			
NAND	SANDISK® TLC 3D NAND			
DRAM CACHE	Yes			
SLC CACHE	SANDISK® nCache™ 4.0			
PERFORMANCE²				
Sequential Read 1MB (MB/s) up to (Queue Depth=8, Threads=1)	7,300MB/s	7,300MB/s	7,300MB/s	7,200MB/s
Sequential Write 1MB (MB/s) up to (Queue Depth=8, Threads=1)	6,300MB/s	6,600MB/s	6,600MB/s	6,600MB/s
Random Read 4KB (IOPS) up to (Queue Depth=32, Threads=16)	800K IOPS	1.2M IOPS	1.2M IOPS	1.2M IOPS
Random Write 4KB (IOPS) up to (Queue Depth=32, Threads=16)	1.1M IOPS	1.1M IOPS	1.1M IOPS	1.2M IOPS
RELIABILITY				
Endurance ⁵ (TBW)	600	1,200	2,400	4,800
MTTF ⁵ up to (hours)	1.75M Hours			
Limited Warranty ⁶	5 Years			
System Compatibility	PlayStation®5, PlayStation®5 Pro, Windows® 10+ ¹⁰			
REGULATORY				
Certifications	BSMI, CAN ICES-3(B)/NMB-3(B), CB-Scheme, CE, FCC, KCC, Morocco, RCM, TÜV, UL, VCCI, UKCA			
RoHS Compliance	Yes			
ENVIRONMENTAL				
Operating Temperature ⁷	32°F to 185°F (0°C to 85°C)			
Non-Operating Temperature ⁷	-40°F to 185°F (-40°C to 85°C)			
Operating Vibration	5 gRMS, 10-2000 Hz, 3 axes			
Non-operating Vibration	4.9 gRMS, 7-800 Hz, 3 axes			
Shock	1,500G @ 0.5 ms half-sine			
DIMENSIONS⁸				
	Length	Width	Height	Weight
1TB-2TB ¹	80mm	24.46mm	9.89mm	24g
4TB-8TB ¹	80mm	24.46mm	10.31mm	30.4g

¹ 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.

² 1MB/s = 1 million bytes per second. IOPS = input/output operations per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors.

³ Number of games based on a 36GB average per game. The number of games will vary based on file size, formatting, other programs, and factors.

⁴ For PlayStation®5 and PlayStation®5 Pro system software compatibility, please visit the SANDISK Optimus GX PRO Product Page.

⁵ TBW (terabytes written) values calculated using JEDEC client workload (JESD219) and vary by product capacity. MTTF = Mean Time To Failure based on internal testing using Telcordia™ stress part testing (Telcordia SR-332, GF, 25°C). MTTF is based on a sample population and is estimated by statistical measurements and acceleration algorithms. MTTF does not predict an individual drive's reliability and does not constitute a warranty.

⁶ 5 years or Max Endurance (TBW) limit, whichever occurs first. See support.sandisk.com for region-specific warranty details.

⁷ Operational temperature is defined as temperature reported by the drive. Note that drive temperature readings are expected to be higher than ambient temperature when the SSD is placed inside a system. The SSD box package is rated up to 60°C.

⁸ Non-operational storage temperature does not guarantee data retention.

⁹ Physical product dimensions for length and width may vary by ± 0.5mm and product weight may vary by ± 10%.

¹⁰ Backwards compatible with PCIe® 3.0 x4, 3.0 x2, 3.0 x1, 2.0 x4, 2.0 x2 and 2.0 x1.

¹¹ PC compatibility not tested nor endorsed by Sony Interactive Entertainment.

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