WD_BLACK™

WD_BLACK™ SN7100 NVMe™ SSD

M.2 2280 NVMe™ SSD

BUILT FOR BETTER GAMING, NO MATTER HOW YOU GAME.

Get ready to game even faster with the WD_BLACK™ SN7100 NVMe™ SSD, featuring up to 7,250MB/s read[1] and 6,900MB/s write[1] speeds [1-2TB[2] models], providing up to a 35% performance boost over the previous generation[3] SSD. Engineered with laptops and gaming handhelds in mind, obliterate load times and conquer your heftiest gaming sessions with improved power efficiency[3] at maximum speed. Store more games and still have room for future updates and DLC, with capacities up to 2TB[2]. Upgrade now and ensure you're ready for the rigors of AI applications and next generation gaming.

KEY FEATURES

- HIGH-OCTANE GAMING. Experience speeds up to 7,250MB/s read[1] and 6,900MB/s write[1] [1-2TB[2] models], with up to 35% faster[3] performance than the previous generation.
- PURPOSE-BUILT. Designed for serious on-the-go gamers, with a PCIe® Gen4 interface and Western Digital®'s next generation TLC 3D NAND.
- MORE SPACE FOR FAVORITES AND NEW TITLES. Available in multiple capacities up to 2TB[2], upgrade to an SSD that gives you tons of storage.
- MORE TIME TO CLEAR THAT CHECKPOINT. Built with laptops and handheld gaming devices in mind, with up to 100% more power efficiency over the previous generation[3].
- DO MORE WITH DASHBOARD. Ensure your drive is optimized for prime performance with the downloadable WD_BLACK™ Dashboard [Windows® only].
- AMPLIFY YOUR CONTENT. Up to 1,200TBW[4] endurance [2TB[2] model] for gameplay streaming, speedrun captures, or creating with the latest game engines.

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PRODUCT FEATURES

HIGH-OCTANE GAMING SSD THAT DOESN'T BACK DOWN.
Experience an exhilarating boost you can see and feel with level-conquering speeds up to 7,250MB/s[1] read and 6,900MB/s[1] write [1-2TB[2] models]. The WD_BLACK™ SN7100 NVMe™ SSD boasts up to 35% faster performance than the previous generation[3], helping you harness AI applications and take on the next wave of cutting-edge games.

BUILT WITH LEADING-EDGE TECH.
Equipped with a PCIe® Gen4 interface powered by Western Digital®'s next generation TLC 3D NAND, the WD_BLACK™ SN7100 NVMe™ SSD is designed to provide the speed and power efficiency serious on-the-go gamers need.

MORE SPACE FOR FAVORITES AND NEW TITLES.
Available in multiple capacities up to 2TB[2], the WD_BLACK™ SN7100 NVMe™ SSD gives you tons of storage for your latest games with space left over for future updates and downloadable content.

CLEAR THAT CHECKPOINT BEFORE YOUR BATTERY CLOCKS OUT.
Built with laptops and handheld gaming devices in mind, this DRAM-less drive provides up to 100% more power efficiency at maximum speed over the previous generation[3].

DO MORE WITH WD_BLACK™ DASHBOARD.
The downloadable WD_BLACK™ Dashboard [Windows® only] monitors your drive's health, performance, firmware updates,and enables Game Mode to optimize your gaming experience.

ENDURANCE FOR INTENSE WORKLOADS
Amplify your content with up to 1,200TBW[4] endurance [2TB[2] model] for gameplay streaming, speedrun captures, or even using the latest game engines for your own creations.

PRODUCT SPECIFICATIONS

CAPACITIES[2]: MODEL NUMBERS:	2TB WDS200T4X0E	1TB WDS100T4X0E	500GB WDS500G4X0E	
INTERFACE[5]	PCIe® Gen 4x4 NVMe™			
NAND	Western Digital® TLC 3D NAND			
PERFORMANCE[1] Sequential Read [up to]: Sequential Write [up to]: Random Read [up to]: Random Write [up to]:	 7,250MB/s 6,900MB/s 1,000k IOPS 1,400k IOPS	 7,250MB/s 6,900MB/s 1,000k IOPS 1,400k IOPS	 6,800MB/s 5,800MB/s 760k IOPS 1,200k IOPS	
ENDURANCE[4]	1,200	600	300	
DIMENSIONS[6]:	Length:	Width:	Height:	Weight:
	80mm	22mm	2.38mm	5.8g
SYSTEM COMPATIBILITY	Backwards compatible with PCIe® Gen3 x4, PCIe® Gen3 x2, PCIe® Gen3 x1, PCIe® Gen2 x4, PCIe® Gen2 x2 and PCIe® Gen2 x1, Windows® 10+			
LIMITED WARRANTY[7]	5 Years			
RoHS COMPLIANCE	Yes			
OPERATING TEMPERATURE[8]	32°F to 185°F [0°C to 85°C]			
NON OPERATING TEMPERATURE[9]	-40°F to 185°F [-40°C to 85°C]			

[1] Based upon read speed, unless otherwise stated. 1MB/s = 1 million bytes per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors.
[2] 1TB = one trillion bytes. Actual user capacity may be less depending on operating environment.
[3] Up to 35% better performance and 100% better power efficiency as compared to our last gen product, the 1TB WD_BLACK SN770 NVMe SSD.
[4] TBW [terabytes written] values calculated using JEDEC client workload [JESD219] and vary by product capacity.
[5] PCIe® Gen4 storage technology requires a compatible motherboard. Backwards compatible with PCIe® Gen3 x4, PCIe® Gen3 x2, PCIe® Gen3 x1, PCIe® Gen2 x4, PCIe® Gen2 x2 and PCIe® Gen2 x1.
[6] Physical product dimensions for length and width may vary by ± 0.10mm and product weight may vary by ± 10%.
[7] 5 years or Max Endurance [TBW] limit, whichever occurs first. See support.wdc.com for region-specific warranty details.
[8] 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.
[9] Non-operational storage temperature does not guarantee data retention.

November 2024