



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<sup>1</sup> read and 6,900MB/s<sup>1</sup> write speeds [1-2TB<sup>2</sup> models], providing up to a 35% performance boost over the previous generation<sup>3</sup> SSD. Engineered with laptops and gaming handhelds in mind, obliterate load times and conquer your heftiest gaming sessions with improved power efficiency<sup>3</sup> at maximum speed. Store more games and still have room for future updates and DLC, with capacities up to 4TB<sup>2</sup>. 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<sup>1</sup> read and 6,900MB/s<sup>1</sup> write [1-2TB<sup>2</sup> models], with up to 35% faster performance than previous generation<sup>3</sup>.
- 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 4TB<sup>2</sup>, 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<sup>3</sup>.
- 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 2,400TBW<sup>4</sup> endurance [4TB<sup>2</sup> 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<sup>1</sup> read and 6,900MB/s<sup>1</sup> write [1-2TB<sup>2</sup> models]. The WD\_BLACK™ SN7100 NVMe™ SSD boasts up to 35% faster performance<sup>3</sup> than our previous generation<sup>3</sup>, 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 4TB<sup>2</sup>, 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<sup>3</sup>.

### DO MORE WITH THE 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 2,400TB<sup>4</sup> endurance [4TB<sup>2</sup> model] for gameplay streaming, speedrun captures, or even using the latest game engines for your own creations.

## PRODUCT SPECIFICATIONS

CAPACITIES <sup>2</sup> : MODEL NUMBERS:	4TB WDS400T4X0E-00CJA0	2TB WDS200T4X0E-00CJA0	1TB WDS100T4X0E-00CJA0	500GB WDS500G4X0E-00CJA0
INTERFACE <sup>5</sup>	PCIe® Gen 4x4 NVMe™			
NAND	Western Digital® TLC 3D NAND			
PERFORMANCE <sup>1</sup>				
Sequential Read [up to]:	7,000MB/S	7,250MB/s	7,250MB/s	6,800MB/s
Sequential Write [up to]:	6,700MB/S	6,900MB/s	6,900MB/s	5,800MB/s
Random Read [up to]:	900K IOPS	1,000k IOPS	1,000k IOPS	760k IOPS
Random Write [up to]:	1,350K IOPS	1,400k IOPS	1,400k IOPS	1,200k IOPS
ENDURANCE <sup>4</sup> [TBW]	2,400	1,200	600	300
DIMENSIONS <sup>6</sup> :	Length:	Width:	Height:	Weight:
	80mm	22mm	2.38mm	5.8g
SYSTEM COMPATIBILITY	Backwards compatible with PCIe® Gen4 x2, PCIe® Gen4 x1, PCIe® Gen3 x4, PCIe® Gen3 x2, PCIe® Gen3 x1, PCIe® Gen2 x4, PCIe® Gen2 x2 and PCIe® Gen2 x1, Windows® 10+			
LIMITED WARRANTY <sup>7</sup>	5 Years			
RoHS COMPLIANCE	Yes			
OPERATING TEMPERATURE <sup>8</sup>	32°F to 185°F [0°C to 85°C]			
NON OPERATING TEMPERATURE <sup>9</sup>	-40°F to 185°F [-40°C to 85°C]			

<sup>1</sup> Based on read/write speed, unless otherwise stated. 1 MB/s = 1 million bytes per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity and other factors.

<sup>2</sup> 1TB = one trillion bytes. Actual user capacity may be less depending on operating environment.

<sup>3</sup> Up to 35% better performance and 100% better power efficiency as compared to our last gen product, the 1TB WD\_BLACK SN770 NVMe SSD.

<sup>4</sup> TBW [terabytes written] values calculated using JEDEC client workload [JESD219] and vary by product capacity.

<sup>5</sup> PCIe® Gen4 storage technology requires a compatible motherboard. Backwards compatible with PCIe® Gen4 x2, PCIe® Gen4 x1, PCIe® Gen3 x4, PCIe® Gen3 x2, PCIe® Gen3 x1, PCIe® Gen2 x4, PCIe® Gen2 x2 and PCIe® Gen2 x1.

<sup>6</sup> Physical product dimensions for length and width may vary by ± 0.10mm and product weight may vary by ± 10%.

<sup>7</sup> 5 years or Max Endurance [TBW] limit, whichever occurs first. See support.wdc.com for region-specific warranty details.

<sup>8</sup> 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.

<sup>9</sup> Non-operational storage temperature does not guarantee data retention.

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