

# WD\_BLACK™ SN750 SE NVMe™ SSD

SSD STORAGE WITH  
NEXT-GENERATION  
PCIe® GEN4  
TECHNOLOGY

Level up your entire gaming experience with a WD\_BLACK™ SN750 SE NVMe™ SSD, featuring blistering read speeds up to 3,600MB/s<sup>2</sup> to help optimize your gaming rig's performance.



- Get into the action fast with sequential read speeds up to 3,600MB/s<sup>2</sup> to boost system, game and level load times
- Demolish the competition with PCIe® Gen4 storage technology<sup>1</sup> [backwards compatible with PCIe Gen3]
- The WD\_BLACK™ Dashboard helps you maintain drive health and enable gaming mode to help sustain maxed-out performance
- Available in capacities up to 1TB\* for storing the latest games and future updates
- Game longer before your next recharge with up to 30% less<sup>3</sup> power consumption than its predecessor
- Comes with a 5-year limited warranty<sup>4</sup>, so you can keep your focus on crushing the competition

## PRODUCT FEATURES

### LESS WAITING, MORE GAMING

Sequential read speeds up to 3,600MB/s<sup>2</sup> boost system, game and level load times, so you can get back into the action faster than ever.

### NEXT-GEN GAMING

Demolish the competition with PCIe® Gen4 storage technology<sup>1</sup> to unleash raging-fast speeds and killer performance. (Also backwards compatible with PCIe Gen3.)

### SUSTAINED PEAK PERFORMANCE

The WD\_BLACK™ Dashboard helps you maintain drive health with an optional gaming mode feature to help both you and your drive reach and sustain maxed-out levels of performance.

### STORE MORE

Available in capacities up to 1TB,\* the WD\_BLACK™ SN750 SE NVMe™ SSD gives you tons of space for storing the latest games and future updates.

### COMPETE LONGER

The WD\_BLACK™ SN750 SE NVMe™ SSD draws up to 30% less<sup>3</sup> power than its predecessor, letting you stay in the game longer before your next recharge.

### 5-YEAR LIMITED WARRANTY<sup>4</sup>

The WD\_BLACK™ SN750 SE NVMe™ SSD drive comes with a 5-year limited warranty, so you can keep your focus on crushing the competition.

## PRODUCT SPECIFICATIONS

#### CAPACITIES AND MODELS:

|       |                    |
|-------|--------------------|
| 1TB   | WDS100T1B0E-00B3V0 |
| 500GB | WDS500G1B0E-00B3V0 |
| 250GB | WDS250G1B0E-00B3V0 |

#### INTERFACE:

PCIe® Gen4

#### DIMENSIONS:

|         |             |
|---------|-------------|
| LENGTH: | 80 ± 0.15mm |
| WIDTH:  | 22 ± 0.15mm |
| HEIGHT: | 2.38mm      |
| WEIGHT: | 7.5g ± 1g   |

#### ENDURANCE<sup>6</sup> [TBW]:

|        |     |
|--------|-----|
| 1TB:   | 600 |
| 500GB: | 300 |
| 250GB: | 200 |

#### PERFORMANCE<sup>5</sup>:

|                     |           |
|---------------------|-----------|
| ■ Sequential Read:  |           |
| 1TB:                | 3,600MB/s |
| 500GB:              | 3,600MB/s |
| 250GB:              | 3,200MB/s |
| ■ Sequential Write: |           |
| 1TB:                | 2,830MB/s |
| 500GB:              | 2,000MB/s |
| 250GB:              | 1,000MB/s |
| ■ Random Read:      |           |
| 1TB:                | 525K IOPS |
| 500GB:              | 360K IOPS |
| 250GB:              | 190K IOPS |
| ■ Random Write:     |           |
| 1TB:                | 640K IOPS |
| 500GB:              | 480K IOPS |
| 250GB:              | 240K IOPS |

#### OPERATING SPECIFICATIONS:

##### OPERATING TEMPERATURE<sup>7</sup>:

32°F to 158°F [0°C to 70°C]

##### NON-OPERATING TEMPERATURE<sup>8</sup>:

-67°F to 185°F [-55°C to 85°C]

#### SYSTEM COMPATIBILITY:

- BACKWARD COMPATIBLE WITH PCIe Gen3 x2, PCIe Gen3 x1, PCIe Gen2 x4, PCIe Gen2 x2, and PCIe Gen2 x1
- Windows® 8.1, 10

#### LIMITED WARRANTY:

5 Years

\*As used for storage capacity, 1GB = 1 billion bytes and 1TB = one trillion bytes. Actual user capacity may be less depending on operating environment.

<sup>1</sup> PCIe Gen4 storage technology requires a compatible motherboard. WD\_BLACK SN750 SE is backwards compatible with PCIe Gen3.

<sup>2</sup> As used for transfer rate, 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>3</sup> As compared to WD\_BLACK SN750 NVMe SSD using MobileMark 2018 Average Active Power test.

<sup>4</sup> 5 years or Max Endurance (TBW) limit, whichever occurs first. See support.wdc.com for region-specific warranty details.

<sup>5</sup> Test Conditions: Performance is based on the CrystalDiskMark 7.0 benchmark using a 1000MB LBA range Asus ROG Crosshair VIII Hero X570 with AMD Ryzen 9 3950X 16-Core, HyperX Fury 32GB 3200MHz DDR4 CL 16 DIMM, Windows 10 Pro x64 2004 [19041.329] 20H1, Microsoft storage driver, secondary drive. Performance may vary based on host device, usage conditions, drive capacity, and other factors. 1 MB = 1,000,000 bytes. IOPS = input/output operations per second.

<sup>6</sup> TBW (terabytes written) values calculated using JEDEC client workload [JESD219] and vary by product capacity.

<sup>7</sup> Operational temperature is measured by an on board temperature sensor.

<sup>8</sup> Non-operational storage temperature does not guarantee data retention.