SN850 NVME™ SSD

GAMING SSD STORAGE
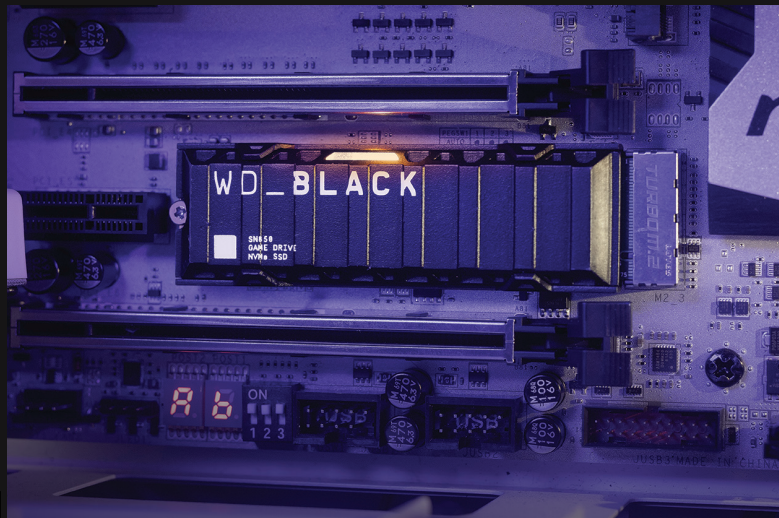
SSD PERFORMANCE STORAGE THAT REDEFINES SPEED

Long load times are obsolete with next-gen PCIe® Gen4 technology, reaching irrational read/write speeds up to 7000/5300MB/s[1] [1TB model]. Arm your system or console with RGB lighting, an optional heatsink model, and up to 2TB[2] capacity.

WD_BLACK

SN850
GAME DRIVE
NVMe SSD

Heatsink model intended for desktop PCs and PlayStation™ 5 (Playstation™ 5 system software version 21.02-04.00.00 or higher required) only.

WD_BLACK PC SN850 NVMe SSD

www.wdblack.com

WD_BLACK™
SN850

Western Digital.

- Next-gen PCIe® Gen4 technology optimized for top-tier gaming
- Irrationally fast read/write speeds up to 7000/5300MB/s[1] [1TB model] and up to 1,000,000 IOPS[3] [1TB and 2TB models]
- Customizable RGB lighting [Windows® Only] programmable with the WD_BLACK™ Dashboard [heatsink model only]
- Up to 2TB[2] capacity to hold your favorite battle-ready games
- Sleek heatsink model minimizes thermal throttling to push the boundaries of performance [compatible with Desktop PCs and PlayStation™ 5[6]]
- Downloadable WD_BLACK™ Dashboard software to customize and control your gaming experience [Windows® Only]

WD_BLACK

PRODUCT FEATURES

EXPERIENCE SUPREME PERFORMANCE

Prepare for the next evolution of speed with the WD_BLACK™ SN850 NVMe™ SSD, giving you supreme PCIe® Gen4 technology for your compatible PC, laptop or Playstation™ 5[6] so you don't lag out on the next generation of games.

SPEED KILLS. THIS DECIMATES.

You asked for fast, we over-delivered. Reach irrational read/write speeds up to 7000/5300MB/s[1] (1TB model) to get you in quicker, with up to 1,000,000 IOPS[3] (1TB and 2TB models) for a smooth, responsive and powerful gaming experience.

LIGHT UP YOUR STATION WITH RGB

Enhance your gaming station with fully customizable RGB lighting, controlled through the WD_BLACK™ Dashboard (Windows® only), designed to match your style.

STORE MORE, PLAY MORE

Store your favorite games with up to 2TB[2] capacity so you still have room for the next big title.
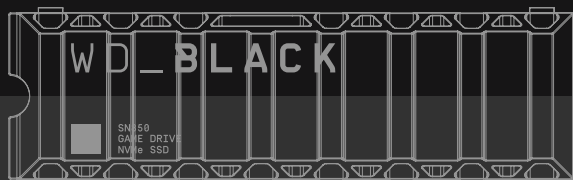
THROTTLE NOTHING BUT YOUR ENEMIES

Supreme performance is best served cold with the WD_BLACK™ SN850 NVMe™ SSD, featuring an optional heatsink model so your PC doesn't bottom out when you're at the top of your game.

- SN850 is available with or without heatsink
- SN850 with heatsink is intended for Desktop PCs and PlayStation™ 5 (PlayStation™ 5 system software version 21.02-04.00.00 or higher required.)

OPTIMIZED WITH THE WD_BLACK™ DASH-BOARD

Take total control with the downloadable WD_BLACK™ Dashboard, allowing you to monitor the health of your drive, and optimize performance using gaming mode.

PRODUCT SPECIFICATIONS

CAPACITIES AND MODELS:

2TB	WDS200T1X0E-00AFY0
1TB	WDS100T1X0E-00AFY0
500GB	WDS500G1X0E-00AFY0
2TB Heatsink	WDS200T1XHE-00AFY0
1TB Heatsink	WDS100T1XHE-00AFY0
500GB Heatsink	WDS500G1XHE-00AFY0

INTERFACE:

- PCIe® Gen4 x4

DIMENSIONS:

NON-HEATSINK

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

HEATSINK

LENGTH: 80 ± 0.20mm
WIDTH: 23.40 ± 0.20mm
HEIGHT: 8.80 ± 0.20mm
WEIGHT: TBD

ENDURANCE[4] (TBW):

2TB: 1,200
1TB: 600
500GB: 300

PERFORMANCE[1]:

- Sequential Read:
  2TB: 7,000MB/s
  1TB: 7,000MB/s
  500GB: 7,000MB/s
- Sequential Write:
  2TB: 5,100MB/s
  1TB: 5,300MB/s
  500GB: 4,100MB/s
- Random Read:
  2TB: 1,000K IOPS
  1TB: 1,000K IOPS
  500GB: 810K IOPS
- Random Write:
  2TB: 710K IOPS
  1TB: 720K IOPS
  500GB: 680K IOPS

OPERATING SPECIFICATIONS[5]:

- Operating Temperature:
  32°F to 158°F (0°C to 70°C)
- Non-operating Temperature:
  -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
- PlayStation™ 5[6]

LIMITED WARRANTY:

5 Years[7]