Model Number: WDS100T2X0E-00BCA0

**WD\_BLACK SN850X NVMe™ SSD - 1TB, Without Heatsink**

4.0 out of 5 stars, average rating value. Read 41 Reviews. Same page link.

4.0

(41)

Write a review

Crush load times and slash throttling, lagging, and texture pop-ins with the WD\_BLACK SN850X NVMe™ SSD. Available in capacities of 1TB up to 8TB[2](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS100T2X0E-00BCA0#disclosures2), thi ... [See more](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS100T2X0E-00BCA0#product-highlights)

Capacity

* 1TB
* 2TB
* 4TB
* 8TB

Thermal

* Without Heatsink
* With Heatsink

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Guaranteed Authentic Products

7300MB/s

**Sequential Read Performance**

PCIe Gen4 x4

**Interface**

5-Year Limited Warranty

**Warranty**

**Built for elite gaming.**

Crush load times and slash throttling, lagging, and texture pop-ins with the WD\_BLACK SN850X NVMe™ SSD. Available in capacities of 1TB up to 8TB[2](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS100T2X0E-00BCA0#disclosures2), this [gaming drive](https://www.westerndigital.com/solutions/gaming/desktop-laptop-gaming-storage-drives) is built for top-tier performance. With 7,300MB/s[1](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS100T2X0E-00BCA0#disclosures1) speeds (1TB - 4TB models) and a heatsink option to maintain performance, you can enjoy your favorite games without worrying about lag. Plus, the downloadable WD\_BLACK Dashboard (Windows® only) can automatically turn on Game Mode 2.0 features. The WD\_BLACK SN850X NVMe™ SSD delivers a smooth, fast experience —and the innovations that let you compete at your absolute peak.

**Gain the Ultimate Gaming Edge**  
Insane speeds up to 7,300 MB/s[1](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS100T2X0E-00BCA0#disclosures1) (1TB - 4TB models) deliver top-tier performance with ridiculously short load times — for the elite gaming experience you’ve been waiting for.

**Heatsink for the Win**  
All capacities have an optional heatsink version that's not only eye-catching, but also helps your rig maintain peak performance through your most intense gaming sessions.

**More Room for More Games**  
Capacities up to 8TB[2](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS100T2X0E-00BCA0#disclosures2) built with Western Digital TLC 3D NAND, means you get to keep more games at the ready — and get into the action even faster.

**Do more with WD\_BLACK Dashboard**  
The downloadable WD\_BLACK Dashboard (Windows® only) monitors your drive’s health, lets you customize your RGB lighting, and, exclusively on the SN850X SSD, enables Game Mode 2.0 to transform your gaming experience.

**Future-forward features**  
The WD\_BLACK SN850X SSD boasts a powerful suite of features, including Predictive Loading, Overhead Balancing, and Adaptive Thermal Management[5](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS100T2X0E-00BCA0#disclosures5).

**DirectStorage Supported**  
Improve load times and get precious time back with Microsoft® DirectStorage technology.

**Specifications**

**Capacity**

1TB

**Form Factor**

M.2 2280

**Connector**

M.2

**Sequential Read Performance**

7300MB/s

**Sequential Write Performance**

6300MB/s

**Random Read**

800K IOPS

**Random Write**

1100K IOPS

**Interface**

PCIe Gen4 x4

**Warranty**

5-Year Limited Warranty

**Endurance (TBW)**

600

**Dimensions (L x W x H)**

3.15" x 0.87" x 0.09"

**Weight**

7.5gms

**Model Number**

WDS100T2X0E

**Operating Temperature**

0°C to 85°C

**Non-Operating Temperature**

-40°C to 85°C

**Certifications**

BSMI, CAN ICES-3(B)/NMB-3(B), CE, FCC, KCC, Morocco, RCM, TUV, UL, VCCI

**Product Features**

* Get top-tier performance and ridiculously short load times for your gaming PC or workstation
* High capacities built with Western Digital TLC 3D NAND so you get to download more games
* Optional heatsink version to help maintain peak performance through your most intense gaming sessions

**Compatibility**

* Windows® 10+
* PlayStation®5 (Heatsink model only)4
* Computer with M.2 (M-key) port, capable of taking M.2 2280 form factor

**Model Numbers**

**1TB,** **Without Heatsink:** [WDS100T2X0E-00BCA0](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS100T2X0E-00BCA0)

**1TB,** **With Heatsink:** [WDS100T2XHE-00BCA0](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS100T2XHE-00BCA0)

**2TB,** **Without Heatsink:** [WDS200T2X0E-00BCA0](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS200T2X0E-00BCA0)

**2TB,** **With Heatsink:** [WDS200T2XHE-00BCA0](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS200T2XHE-00BCA0)

**4TB,** **Without Heatsink:** [WDS400T2X0E-00BCA0](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS400T2X0E-00BCA0)

**4TB,** **With Heatsink:** [WDS400T2XHE-00BCA0](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS400T2XHE-00BCA0)

**8TB,** **Without Heatsink:** [WDS800T2X0E-00CDD0](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS800T2X0E-00CDD0)

**8TB,** **With Heatsink:** [WDS800T2XHE-00CDD0](https://shop.sandisk.com/products/ssd/internal-ssd/wd-black-sn850x-nvme-ssd?sku=WDS800T2XHE-00CDD0)

**Ratings & Reviews**

**Reviews**

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Rating Snapshot

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27

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4 starsstars

3

3 reviews with 4 stars.

3 starsstars

2

2 reviews with 3 stars.

2 starsstars

0

0 reviews with 2 stars.

1 starstars

9

9 reviews with 1 star.

Overall Rating

4.0

41 Reviews

10 out of 11 (91%) reviewers recommend this product

Review this Product

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