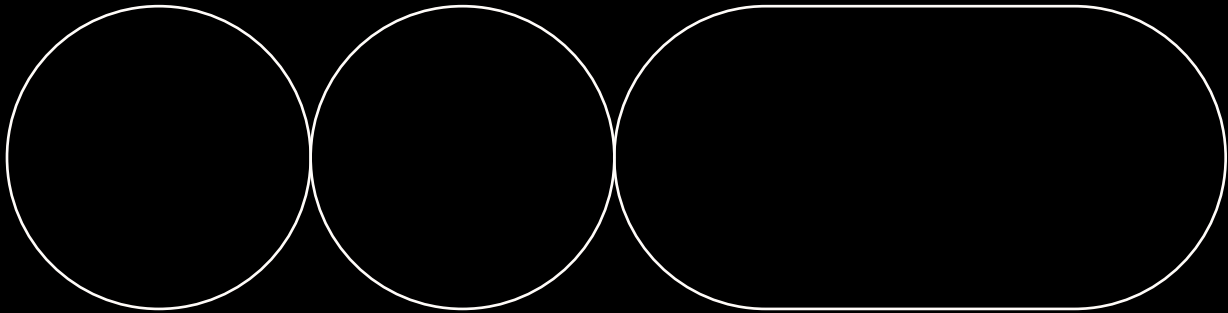
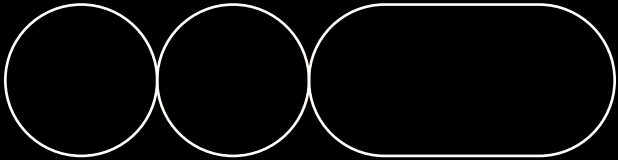


Client SSD Product Summaries



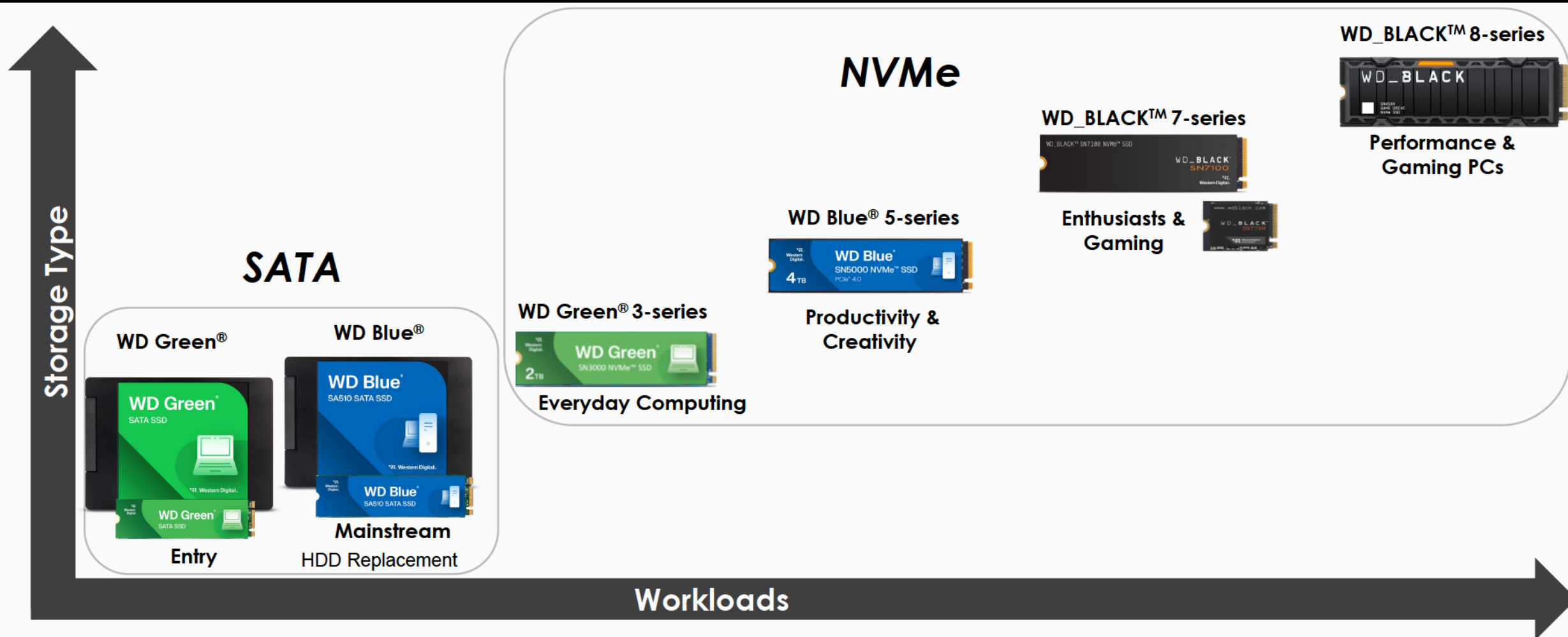
[CONFIDENTIAL]

37° 25' 15" N 121°
55' 19" W



WD Client SSDs

Broadest Range of Solutions for Consumers Covering SATA and NVMe Technologies



WD Blue®



**PRODUCTIVITY OR CREATE
WITH WD BLUE® SSDs
UP TO 4TB**

MAINSTREAM SSDs

WD Blue[®] SSD Roadmap

Development

NVMe

WD Blue SN5000
Up to 5,500 MB/s
PCIe Gen4, M.2 2280
500GB – 4TB

WD Blue SN5000 500GB – 4TB

WD Blue SN580
Up to 4,150 MB/s
PCIe Gen4, M.2 2280
250GB, 500GB, 1TB, 2TB

WD Blue SN580
250GB – 2TB

WD Blue SN5100
Up to 7,200 MB/s
PCIe Gen4, M.2 2280
FCS Jul '25 / Sep '25 (4TB)
500GB - 4TB

SATA

WD Blue SA510
Up to 560 MB/s
SATA 6Gb/s, 2.5", M.2 2280
250GB, 500GB, 1TB, 2TB, 4TB

WD Blue SA510 2.5" 250GB – 4TB

WD Blue SATA*
Up to 560 MB/s
SATA 6Gb/s, 2.5"
FCS Q3 '25
500GB, 1TB, 2TB, 4TB

500GB – 4TB

WD Blue SA510 M.2 250GB – 2TB

*New model

PRODUCTION

Q1

Q2

Q3

Q4

2025



WD_BLACK™

PERFORMANCE SSDs

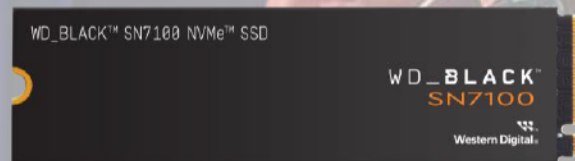
WD_BLACK™ NVMe™ SSDs

Key Specifications

- 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. IOPS = input/output operations per second.
- 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment
- 1TB, 2TB and 4TB models



WD_BLACK™ SN770M



WD_BLACK™ SN7100



WD_BLACK™ SN850X

APPLICATION

Handhelds/Ultrathin

Mainstream/Laptop Gaming

Performance Gaming/Compute

CAPACITY²

500GB – 2TB

500GB – 4TB

1TB – 8TB

INTERFACE

PCIe Gen 4x4

PCIe Gen 4x4

PCIe Gen 4x4

PERFORMANCE¹

Up to 5,150MB/s

Up to 7,250MB/s

Up to 7,300MB/s³

FEATURES

DirectStorage

DirectStorage

DirectStorage, Opt Heatsink/RGB

ENDURANCE

Up to 1,200TBW

Up to 2,400TBW

Up to 4,800TBW

FORM-FACTOR

M.2 2230 SS

M.2 2280 SS

M.2 2280 SS(1 & 2TB), DS(4 & 8TB)

WARRANTY

5 years

5 years

5 years

WD_BLACK™ SN850X NVMe™ SSD

Product Overview

SPECIFICATIONS

PCIe Gen 4.0
Up to 7,300 MB/s SR³
Up to 1.2M IOPs RR

nCache 4.0™ Technology
DirectStorage Support
TCG Opal

CAPACITIES²

1TB, 2TB, 4TB, 8TB

FORM-FACTORS

M.2 2280 SS (1 & 2TB)
M.2 2280 DS (4 & 8TB)
Opt. Heatsink with RGB

WESTERN DIGITAL ADVANTAGES

TLC 3D NAND
In-house Controller
SSD Dashboard
5 year limited warranty
Technical Support

Get the ultimate PCIe Gen4 performance with speeds up to 7,300 MB/s³ for gaming or complex workflows



1. 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. IOPS = input/output operations per second.
2. 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.
3. 2T and 4T models

WD_BLACK™ SN850X NVMe™ SSD

Specifications

Specifications	1TB	2TB	4TB	8TB
Form Factor	M.2 2280 Single-sided		M.2 2280 Double-sided	
Interface	Western Digital NVMe, PCIe Gen 4x4			
NAND	Western Digital TLC 3D NAND			
DRAM	Yes			
Sequential Read (MB/s up to)	7300	7300	7300	7200
Sequential Write (MB/s up to)	6300	6600	6600	6600
Random Read (IOPS up to)	800K	1200K	1200K	1200K
Random Write (IOPS up to)	1100K	1100K	1100K	1200K
Endurance (TBW)	600	1200	2400	4800
Features/Comments	Heatsink/RGB Models Available			

WD_BLACK™ SN7100 NVMe™ SSD

Product Overview

SPECIFICATIONS

PCIe Gen 4x4

Up to 7,250 MB/s¹ SR

Up to 1M IOPs RR

nCache 4.0™ Technology

DirectStorage Support

CAPACITIES²

500GB, 1TB, 2TB

4TB (CQ1'25)

FORM-FACTORS

M.2 2280-S3-M

WESTERN DIGITAL ADVANTAGES

TLC 3D NAND

In-house Controller

SSD Dashboard

5 year limited warranty

Technical Support

Pushing the limits of DRAM-Less
PCIe® Gen 4x4 Performance with
speeds of up to 7,250MB/s¹

1. 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. IOPS = input/output operations per second. 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.
- 2.

WD_BLACK™ SN7100 Specifications

Specifications

Specifications	500GB	1TB	2TB	4TB
Form Factor	M.2 2280 Single-sided			
Interface	PCIe Gen 4x4 NVMe			
NAND	Western Digital BiCS8 TLC 3D NAND			
DRAM	No: DRAM-less - HMB			
Sequential Read (MB/s up to)	6,800	7,250	7,250	7,000
Sequential Write (MB/s up to)	5,800	6,900	6,900	6,700
Random Read (IOPS up to)	760K	1,000K	1,000K	900K
Random Write (IOPS up to)	1,200K	1,400K	1,400K	1,350K
Endurance (TBW)	300	600	1,200	2,400

WD_BLACK™ SN770M NVMe™ SSD

Product Overview



- Valve Steam Deck
- Asus ROG Ally (2023)
- MSI Claw
- Select Surface Pro Models
- Select Dell Laptop Models



Expand your handheld storage and download more games. Also for Ultrathin laptop upgrades.

SPECIFICATIONS

PCIe Gen 4.0

Up to 5,150 MB/s SR

Up to 740K IOPs RR

nCache 4.0™ Technology
DirectStorage Support

CAPACITIES²

500GB, 1TB, 2TB

FORM-FACTORS

M.2 2230-S3-M

WESTERN DIGITAL ADVANTAGES

TLC 3D NAND

In-House Controller

SSD Dashboard

5 year limited warranty

Technical Support

1. 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. IOPS = input/output operations per second.
2. 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.

WD_BLACK™ SN770M NVMe™ SSD

Specifications

Specifications	500GB	1TB	2TB
Form Factor	M.2 2230 Single-sided		
Interface	Western Digital NVMe, PCIe Gen 4x4		
NAND	Western Digital TLC 3D NAND		
Sequential Read (MB/s up to)	5000	5150	5150
Sequential Write (MB/s up to)	4000	4900	4850
Random Read (IOPS up to)	460K	740K	650K
Random Write (IOPS up to)	800K	800K	800K
Endurance (TBW)	300	600	1200