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WD\_BLACK™



# TAKE YOUR GAME LIBRARY WITH YOU

WD\_BLACK™ SN770M NVMe™ SSD




## SUPERCHARGE YOUR HANDHELD GAMING DEVICE

Expand your handheld gaming device or M.2 2230 compatible laptop's storage with a WD\_BLACK™ SN770M NVMe™ SSD with up to 2TB<sup>2</sup> of storage. Bring your large game library wherever you are and immerse yourself with blazingly quick game installations and level loads.

## WD\_BLACK™ SSDs:

### WD\_BLACK™ SN850X - High Performance Gaming NVMe™ SSD - Gen4


Crush load times and slash throttling, lagging, and texture pop-ins with the WD\_BLACK™ SN850X NVMe™ SSD, the purpose-built gaming drive that lets you compete at your absolute peak.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	TBW <sup>3</sup>	Limited Warranty <sup>4</sup>	Ideal For	Compatibility	Notes	Model No.	UPC Code
PCIe® Gen4 NVMe™	M.2 2280 (Heatsink)	2TB	1200	5 Years	Performance Compute and Hardcore Gaming	Backwards Compatible With PCIe® Gen 3	Acronis® True Image™ for Western Digital data migration software WD_BLACK™ Dashboard	WDS200T2XHE	718037891309
		1TB	600					WDS100T2XHE	718037891385
	M.2 2280	4TB	2400					WDS400T2X0E	718037891378
		2TB	1200					WDS200T2X0E	718037891408
		1TB	600					WDS100T2X0E	718037891392

### WD\_BLACK™ SN850P NVMe™ SSD - Officially Licensed for PlayStation®5 - Includes 14-day free trial of PlayStation®Plus Premium | Deluxe

Officially Licensed for Your PS5® Console, the WD\_BLACK™ SN850P NVMe™ SSD for PS5® consoles allows you to store and play PS5® games directly from the drive. New optimized heatsink with capacities up to 4TB.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	TBW <sup>3</sup>	Limited Warranty <sup>4</sup>	Ideal For	Compatibility	Notes	Model No.	UPC Code
PCIe® Gen4 NVMe™	M.2 2280 (Heatsink)	4TB	1200	5 Years	PS5® Storage Expansion	Officially Licensed for PS5®	Acronis® True Image™ for Western Digital data migration software WD_BLACK™ Dashboard	WDBBYV0040BNC-WRSN	619659198114
		2TB	1200					WDBBYV0020BNC-WRSN	619659198084
		1TB	600					WDBBYV0010BNC-WRSN	619659198053

### WD\_BLACK™ SN770 - Mainstream Gaming NVMe™ SSD - Gen4


High-performance SSD storage with PCIe® Gen4 technology. Upgrade Your Rig. Elevate Your Game.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	TBW <sup>3</sup>	Limited Warranty <sup>4</sup>	Ideal For	Compatibility	Notes	Model No.	UPC Code
PCIe® Gen4 NVMe™	M.2 2280	2TB	1200	5 Years	Mainstream Gaming, Laptop Gaming	Backwards Compatible With PCIe® Gen 3	Acronis® True Image™ for Western Digital data migration software WD_BLACK™ Dashboard	WDS200T3X0E	718037887326
		1TB	600					WDS100T3X0E	718037887302
		500GB	300					WDS500G3X0E	718037887333
		250GB	200					WDS250G3X0E	718037887357

### WD\_BLACK™ SN770M - Compact M.2 2230 design for handheld gaming devices - NVMe™ SSD - Gen4

Upgrade compatible handheld devices such as the ASUS™ ROG Ally™, MSI™ Claw, and Steam® Deck and M.2 2230 compatible laptops such as many Microsoft® Surface and Dell™ models.




Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	TBW <sup>3</sup>	Limited Warranty <sup>4</sup>	Ideal For	Compatibility	Notes	Model No.	UPC Code
PCIe® Gen4 NVMe™	M.2 2230	2TB	1200	5 Years	Handheld Gaming and Microsoft Surface/Compatible Laptops	M.2 2230 PCIe Slots. Backwards Compatible with PCIe® Gen 3	Acronis® True Image™ for Western Digital data migration software WD_BLACK™ Dashboard	WDS200T3X0G-00CHY0	718037902968
		1TB	600					WDS100T3X0G-00CHY0	718037902951
		500GB	300					WDS500G3X0G-00CHY0	718037902975

## WD\_BLACK™ HDDs:

### WD\_BLACK™ - Performance Gaming


WD\_BLACK™ hard drives are designed for desktop PC and power users who demand performance, with a variety of upgrade options available.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	RPM	Cache <sup>2</sup>	Limited Warranty <sup>4</sup>	Ideal For	Model No.	UPC Code
SATA 6Gb/s	3.5 inch	10TB	7200	256MB	5 Years	Gaming/Performance	WD101FZBX	718037882420
		8TB	7200	256MB			WD8002FZBX	718037858470
		6TB	7200	256MB			WD6004FZBX	718037896731
		4TB	7200	256MB			WD4006FZBX	718037896717
		2TB	7200	64MB			WD2003FZEX	718037810553
		1TB	7200	64MB			WD1003FZEX	718037786469
		500GB	7200	64MB			WD5003AZEX	718037800233

### WD\_BLACK™ - Performance Gaming

Sophisticated performance-enhancing features deliver the speed you need for demanding applications like photo and video editing and internet gaming.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	RPM	Cache <sup>2</sup>	Limited Warranty <sup>4</sup>	Ideal For	Model No.	UPC Code
SATA 6Gb/s	2.5 inch / 9.5mm	1TB	7200(SMR)	64MB	5 Years	Gaming/Performance	WD10SPSX	718037873350
		500GB		64MB			WD5000LPSX	718037873343

## WD Blue® SSDs:

### WD Blue® SN5000 - Mainstream NVMe™ SSD

Power your intense creative workloads with NVMe™.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	TBW <sup>3</sup>	Limited Warranty <sup>4</sup>	Ideal For	Notes	Model No.	UPC Code
PCIe® Gen4 NVMe™	M.2 2280	4TB	1200	5 Years	Mainstream Compute, Creators, and Professionals	Acronis® True Image™ for Western Digital data migration software Western Digital Dashboard	WDS400T4B0E	718037898384
		2TB	900				WDS200T4B0E	718037893228
		1TB	600				WDS100T4B0E	718037894843
		500GB	300				WDS500G4B0E	718037894850

### WD Blue® SN580 - Mainstream NVMe™ SSD

Spark Your Imagination with the WD Blue® SN580 NVMe™ SSD with PCIe® Gen 4.0 for creators and professionals.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	TBW <sup>3</sup>	Limited Warranty <sup>4</sup>	Ideal For	Notes	Model No.	UPC Code
PCIe® Gen4 NVMe™	M.2 2280	2TB	900	5 Years	Mainstream Compute, Creators, and Professionals	Acronis® True Image™ for Western Digital data migration software Western Digital Dashboard	WDS200T3B0E	718037902449
		1TB	600				WDS100T3B0E	718037887340
		500GB	300				WDS500G3B0E	718037887319
		250GB	150				WDS250G3B0E	718037902456

### WD Blue® SA510 SATA SSD - Mainstream SATA SSD

Breathe new life into your PC so you can push your work further and grow your creative potential.




Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	TBW <sup>3</sup>	Limited Warranty <sup>4</sup>	Ideal For	Notes	Model No.	UPC Code
SATA III 6Gb/s	2.5 inch / 7mm	4TB	600	5 Years	Mainstream Compute, Creators, and Professionals	Acronis® True Image™ for Western Digital data migration software Western Digital Dashboard	WDS400T3B0A	718037899961
		2TB	500				WDS200T3B0A	718037884660
		1TB	400				WDS100T3B0A	718037884653
		500GB	200				WDS500G3B0A	718037884639
		250GB	100				WDS250G3B0A	718037884622
	M.2 2280	2TB	500				WDS200T3B0B	718037884684
		1TB	400				WDS100T3B0B	718037884707
		500GB	200				WDS500G3B0B	718037884714
		250GB	100				WDS250G3B0B	718037884691

## WD Blue® HDDs:

### WD Blue® - Mainstream Performance


Boost your PC storage with WD Blue® drives, the brand designed just for desktop and all-in-one PCs with a variety of storage capacities.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	RPM	Cache <sup>2</sup>	Limited Warranty <sup>4</sup>	Ideal For	Model No.	UPC Code
SATA 6Gb/s	3.5 inch	8TB	5640	256MB	2 Years	DIY and PC upgrade	WD80EAAZ	718037898346
		6TB	5400	256MB			WD60EZAX	718037898612
		4TB	5400	256MB			WD40EZAX	718037898605
		3TB	5400	256MB			WD30EZAX	718037898599
		2TB	5400	64MB			WD20EARZ	718037900667
		2TB	7200 (SMR)	256MB			WD20EZBX	718037877501
		1TB	5400	64MB			WD10EARZ	718037899831
		1TB	5400	64MB			WD10EZRZ	718037782898
		500GB	5400	64MB			WD5000AZRZ	718037840178

### WD Blue® - Mainstream Performance

Boost your PC storage with WD Blue® drives, the brand designed just for desktop and all-in-one PCs with a variety of storage capacities.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	RPM	Cache <sup>2</sup>	Limited Warranty <sup>4</sup>	Ideal For	Model No.	UPC Code
SATA 6Gb/s	2.5 inch	2TB	5400 (SMR)	128MB	2 Years	DIY and PC upgrade	WD20SPZX	718037847405
		1TB	5400 (SMR)	128MB			WD10SPZX	718037845319
		500GB	5400 (SMR)	128MB			WD5000LPZX	718037845524

## WD Green® SSDs:

### WD Green® SN350 - Everyday NVMe™ SSD

Whether you're in class, shopping, chatting or surfing, the WD Green® SN350 NVMe™ SSD can revitalize your old computer for daily use.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	TBW <sup>3</sup>	Limited Warranty <sup>4</sup>	Ideal For	Notes	Model No.	UPC Code
PCIe® Gen3 NVMe™	M.2 2280	2TB (QLC)	100	3 Years	Essential Compute, Home Office, Students	Acronis® True Image™ for Western Digital data migration software Western Digital Dashboard	WDS200T3G0C	718037886022
		1TB (QLC)	100				WDS100T3G0C	718037886039
		1TB (TLC)	80				WDS100T2G0C	718037886039
		500GB (TLC)	60				WDS500G2G0C	718037880099
		250GB (TLC)	40				WDS250G2G0C	718037880075

### WD Green® - Everyday SATA SSD

For fast performance and reliability, WD Green® SSDs boost the everyday computing experience in your desktop or laptop PC.




Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	TBW <sup>3</sup>	Limited Warranty <sup>4</sup>	Ideal For	Notes	Model No.	UPC Code
SATA III 6Gb/s	2.5 inch / 7mm	2TB	N/A	3 Years	Essential Compute, Home Office, Students	Acronis® True Image™ for Western Digital data migration software Western Digital Dashboard	WDS200T2G0A	718037877747
		1TB					WDS100T3G0A	718037894188
		480GB					WDS480G3G0A	718037894348
		240GB					WDS240G3G0A	718037894287
	M.2 2280	480GB					WDS480G3G0B	718037894355
		240GB					WDS240G3G0B	718037894294

## WD Red® SSDs:

### WD Red® SN700 - NAS NVMe™ SSD

Designed for caching, storage tiering, and all-flash NAS systems. Delivers low latency and high IOPS for increased performance

Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	TBW <sup>3</sup>	Limited Warranty <sup>4</sup>	Ideal For	Notes	Model No.	UPC Code
 PCIe® Gen3 NVMe™	M.2 2280	4TB	5100	5 Years	Multimedia Creative Pros SOHO Users Small to Medium Businesses	Acronis® True Image™ for Western Digital data migration software Western Digital Dashboard	WDS400T1R0C	718037891422
		2TB	2500				WDS200T1R0C	718037891330
		1TB	2000				WDS100T1R0C	718037891323
		500GB	1000				WDS500G1R0C	718037891439
		250GB	500				WDS250G1R0C	718037891415

### WD Red® SA500 - NAS SATA SSD


Designed for caching or storage tiering, and all-flash NAS systems. Delivers low latency and high IOPS for increased performance compared to HDDs

Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	TBW <sup>3</sup>	Limited Warranty <sup>4</sup>	Ideal For	Notes	Model No.	UPC Code
 SATA III 6Gb/s	2.5 inch / 7mm	4TB	2500	5 Years	SOHO Users Small to Medium Businesses	Acronis® True Image™ for Western Digital data migration software Western Digital Dashboard	WDS400T2R0A	718037903620
		2TB	1300				WDS200T2R0A	718037903613
		1TB	600				WDS100T1R0A	718037872384
		500GB	350				WDS500G1R0A	718037872346
	M.2 2280	2TB	1300				WDS200T1R0B	718037872339
		1TB	600				WDS100T1R0B	718037872360
		500GB	350				WDS500G1R0B	718037872353

## WD Red® HDDs:


### WD Red® Pro for RAID-optimized NAS systems with unlimited # of bays

Enterprise-class hard drives engineered to deliver high performance and reliability to commercial and enterprise NAS environments.

Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	RPM	Cache <sup>2</sup>	Bays (up to)	Limited Warranty <sup>4</sup>	Ideal For	Model No.	UPC Code
 SATA 6Gb/s	3.5 inch	24TB	7200	512MB	Unlimited	5 Years	<ul style="list-style-type: none"> <li>● Multimedia Creative Pros</li> <li>● Medium to Large Businesses</li> <li>● Commercial and Enterprise NAS systems</li> </ul>	WD240KFGX	718037903088
		22TB	7200	512MB				WD221KFGX	718037893501
		20TB	7200	512MB				WD201KFGX	718037894164
		18TB	7200	512MB				WD181KFGX	718037875729
		16TB	7200	512MB				WD161KFGX	718037877662
		14TB	7200	512MB				WD142KFGX	718037899633
		12TB	7200	256MB				WD121KFBX	718037866246
		10TB	7200	256MB				WD102KFBX	718037866796
		8TB	7200	256MB				WD8005FFBX	718037902838
		6TB	7200	256MB				WD6005FFBX	718037902821
		4TB	7200	256MB				WD4005FFBX	718037902814
2TB	7200	64 MB	WD2002FFSX	718037835570					

### WD Red® Plus for RAID-optimized NAS systems with up to 8 bays

Powerful hard drives designed for performance, reliability and power efficiency in small to medium NAS environments.

Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	RPM	Cache <sup>2</sup>	Bays (up to)	Limited Warranty <sup>4</sup>	Ideal For	Model No.	UPC Code
 SATA 6Gb/s	3.5 inch	12TB	7200	256MB	8 Bay	3 Years	<ul style="list-style-type: none"> <li>● Home Offices and Power Users</li> <li>● Small to Medium Businesses</li> </ul>	WD120EFBX	718037886190
		10TB	7200	256MB				WD101EFBX	718037886206
		8TB	5640	256MB				WD80EFPX	718037899817
		6TB	5400	256MB				WD60EFPX	718037899800
		4TB	5400	256MB				WD40EFPX	718037899794
		2TB	5400	64MB				WD20EFPX	718037899770



## WD Purple® HDDs:

### WD Purple® Pro Smart Video Hard Drives – for Smart Video Recording and AI Video Analytics

WD Purple® Pro drives are designed for advanced AI-enabled recorders, video analytics servers and deep learning solutions requiring additional capacity, performance and workload capability.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	RPM	Cache <sup>2</sup>	Limited Warranty <sup>4</sup>	Ideal For	Model No.	UPC Code
SATA 6Gb/s	3.5 inch	24TB	7200	512MB	5 Years	Smart Video AI and Deep Learning Servers	WD240PURP	718037903101
		22TB	7200	512MB			WD221PURP	718037893532
		18TB	7200	512MB			WD181PURP	718037889481
		14TB	7200	512MB			WD142PURP	718037899657
		12TB	7200	256MB			WD121PURP	718037889344
		10TB	7200	256MB			WD101PURP	718037889368
		8TB	7200	256MB			WD8002PURP	718037896748

### WD Purple® Smart Video Hard Drives - For Mainstream NVRs

WD Purple® drives are built for today's AI-enabled mainstream network video recorders which utilize modern multi-stream high-resolution cameras.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	RPM	Cache <sup>2</sup>	Limited Warranty <sup>4</sup>	Ideal For	Model No.	UPC Code
SATA 6Gb/s	3.5 inch	8TB	-	256MB	3 Years	Mainstream NVR/Surveillance Systems	WD85PURZ	718037889245
		6TB	-	256MB			WD64PURZ	718037898339
		4TB	-	256MB			WD43PURZ	718037898308
		3TB	-	256MB			WD33PURZ	718037898278
		2TB	-	64MB			WD23PURZ	718037896199
		1TB	-	64MB			WD11PURZ	718037896687

## WD Purple® microSD™ Card:

### WD Purple® microSD QD101

Designed specifically for the mainstream security camera market, the card delivers a cost-effective combination of ultra endurance, high performance, and wide capacity range up to 1TB<sup>2</sup>.



Interface <sup>1</sup>	Form Factor	Capacity <sup>2</sup>	RPM	Cache	Limited Warranty <sup>4</sup>	Ideal For	Model No.	UPC Code
SDA 6.0	microSDXC™	1TB	N/A	N/A	3 Years	Mainstream Video Surveillance Cameras	WDD100T1POC	718037884493
		512GB	N/A	N/A			WDD512G1POC	718037874968
		256GB	N/A	N/A			WDD256G1POC	718037874951
		128GB	N/A	N/A			WDD128G1POC	718037874937
		64GB	N/A	N/A			WDD064G1POC	718037874975
		32GB	N/A	N/A			WDD032G1POC	718037874890

## WD Gold® HDD:

### WD Gold® Enterprise HDD

These highly reliable solutions for demanding storage environments provide up to 2.5M hours MTBF, vibration protection technology and a low power draw thanks to HelioSeal™ technology [for 14TB² and above].



Interface¹	Form Factor	Capacity²	RPM	Cache²	Limited Warranty⁴	Ideal For	Model No.	UPC Code
SATA 6Gb/s	3.5 inch	24TB	7200	512MB	Five-Year Warranty	Enterprise-class storage for all types of design professionals' high-performance workstations, small and medium business servers, and data repatriation and colocation.	WD241KRYZ	718037903040
		22TB	7200	512MB			WD221KRYZ	718037893518
		20TB	7200	512MB			WD202KRYZ	718037896663
		18TB	7200	512MB			WD181KRYZ	718037875804
		16TB	7200	512MB			WD161KRYZ	718037872957
		14TB	7200	512MB			WD141KRYZ	718037899886
		12TB	7200	256MB			WD121KRYZ	718037854519
		10TB	7200	256MB			WD102KRYZ	718037872681
		8TB	7200	256MB			WD8004FRYZ	718037899947
		6TB	7200	256MB			WD6003FRYZ	718037855936
		4TB	7200	256MB			WD4003FRYZ	718037858098
		2TB	7200	128MB			WD2005FBYZ	718037847924
		1TB	7200	128MB			WD1005FBYZ	718037820132



# Comparison Chart - NVMe™ SSD:

NVMe™	WD Green®	WD Blue®	WD_BLACK™	WD_BLACK™	WD_BLACK™	WD_BLACK™	WD Red®
Model	SN350	SN580	SN770	SN770M	SN850X	SN850P	SN700
Application	Everyday	Mainstream	Mainstream Gaming	Handheld Gaming	Performance Gaming	For PS5® Consoles	NAS
PCIe® Generation	Gen3	Gen4	Gen4	Gen4	Gen4	Gen4	Gen3
Interface¹	M.2 2280 PCIe® Gen3x4	M.2 2280 PCIe® Gen4x4	M.2 2280 PCIe® Gen4x4	M.2 2230 PCIe® Gen4x4	M.2 2280 PCIe® Gen4x4	M.2 2280 PCIe® Gen4x4	M.2 2280 PCIe® Gen3x4
Protocol	NVMe™ 1.3	NVMe™ 1.4	NVMe™ 1.3	NVMe™ 1.3	NVMe™ 1.4	NVMe™ 1.4	NVMe™ 1.4
Capacities²	250/500GB, 1/2TB	250/500GB, 1/2TB	250/500GB, 1/2TB	500GB, 1/2TB	1/2/4TB	1/2/4TB	250/500GB, 1/2/4TB
<b>Specifications (based on)</b>	<b>2TB</b>	<b>2TB</b>	<b>1TB</b>	<b>1TB</b>	<b>4TB</b>	<b>4TB</b>	<b>4TB</b>
Read up to (MB/s)⁵	3,200	4,150	5,150	5,150	7,300	7,300*	3,400
Write up to (MB/s)⁵	3,000	4,150	4,950	4,950	6,600	6,600	3,100
Rnd Read (IOPS)⁵	500K	600k	740K	740K	1.2M	1.2M	550K
Rnd Write (IOPS)⁵	450K	750k	800K	800K	1.1M	1.1M	520K
TBW³	100	900	600	600	2400	2400	5100
Limited Warranty (Years)⁴	3	5	5	5	5	5	5

\*Note that speeds shown are based on the drive capability as measured in a PC environment. Read speed reported by PlayStation®5 console will be lower due to the difference in architecture (~6,200 to 6,500MB/s)



# Comparison Chart - SATA SSD:

SATA	WD Green®	WD Blue® SA510	WD Red®
Application	Everyday	Mainstream	NAS
Interface¹	SATA III 6Gb/s	SATA III 6Gb/s	SATA III 6Gb/s
Protocol	AHCI	AHCI	AHCI
Capacities²	120/240/480/1/2TB	250/500/1TB/2TB/4TB	500/1/2/4TB
<b>Specifications (based on)</b>	<b>2TB</b>	<b>4TB</b>	<b>4TB</b>
Read up to (MB/s)⁵	545	560	560
Write up to (MB/s)⁵	NA	520	530
Rnd Read (IOPS)⁵	NA	90k	95k
Rnd Write (IOPS)⁵	NA	82k	82k
TBW³	NA	400	2500
Limited Warranty (Years)⁴	3	5	5



## Comparison Chart - 3.5-inch HDDs:

3.5"	WD Blue®	WD_BLACK™	WD Red® Plus	WD Red® Pro	WD Purple®	WD Purple® Pro	WD® Gold
Application	Performance	Gaming	NAS SoHo/Small Business	NAS Medium & Large Business	Smart Video 4K NVR	Smart Video AI AI/Deep Learning	Data Center
Capacity <sup>2</sup>	500GB to 8TB	500GB to 10TB	2TB to 12TB	2 to 24TB (CMR)	1 to 8TB	8 to 24TB	1 to 24TB
Disk Cache <sup>2</sup> (up to)	256MB	256MB	512MB	512MB	256MB	512MB	512MB
Interface <sup>1</sup>	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
Transfer Rate <sup>5</sup> (up to)	215MB/s	267MB/s	215MB/s	287MB/s	194MB/s	272MB/s	291MB/s
Workload TB/Year	N/A	N/A	180	550	180	550	550
RPM Class	5400/7200	7200	5400/7200	7200	5400 class	7200	7200
MTBF Hours, UBER	N/A, < 1 in 10 <sup>14</sup>	N/A, < 1 in 10 <sup>14</sup>	1 Million, < 1 in 10 <sup>14</sup>	1 Million, < 1 in 10 <sup>15</sup>	1 Million, < 1 in 10 <sup>14</sup>	2.5 Million, < 1 in 10 <sup>15</sup>	2.5 Million, < 1 in 10 <sup>15</sup>
Bays	N/A	N/A	1-8 Bays	Unlimited Bays	16 Bays	Unlimited	Unlimited
Acoustics (Idle/Seek)	29/30 dBA	34/38 dBA	34/38 dBA	34/38 dBA	25/30 dBA	20/27 dBA	20/36 dBA
Features	-	Dynamic Cache	NASware™	NASware™	AllFrame™ Technology	AllFrame™ Technology	Vibration Protection
Limited Warranty (Years) <sup>4</sup>	2	5	3	5	3	5	5



## Comparison Chart - 2.5-inch HDDs:

2.5"	WD Blue®	WD_BLACK™
Capacity <sup>2</sup>	500GB to 2TB	500 to 1TB
Disk Cache <sup>2</sup> (up to)	128MB	64MB
Interface <sup>1</sup>	SATA 6Gb/s	SATA 6Gb/s
Transfer Rate <sup>5</sup> (up to)	150MB/s	227MB/s
Workload TB/Year	N/A	N/A
RPM Class	5400 (2TB 7200)	7200
MTBF Hours, UBER	N/A, < 1 in 10 <sup>14</sup>	N/A, < 1 in 10 <sup>14</sup>
Acoustics (Idle/Seek)	23/24 dBA	24/25 dBA
Power (Active/Idle/Standby)	1.7/0.5/0.1 W	2.0/.85/.25 W
Features	-	-
Limited Warranty (Years) <sup>4</sup>	2	5





# Western Digital®

<sup>1</sup>PCIe® Gen4 - Backwards Compatible with PCIe® Gen3 x4, PCIe® Gen3 x2, PCIe® Gen3 x1, PCIe® Gen2 x4, PCIe® Gen2 x2, and PCIe® Gen2 x1,  
PCIe® Gen3 - Backwards Compatible with PCIe® Gen3 x2, PCIe® Gen3 x1, PCIe® Gen2 x4, PCIe® Gen2 x2, and PCIe® Gen2 x1  
SATA III 6Gb/s - Backwards compatible to SATA II and I

<sup>2</sup>1MB = 1 million bytes, 1GB = 1 billion bytes, and 1TB = one trillion bytes. Actual user capacity may be less depending on operating environment.

<sup>3</sup>TBW (terabytes written) values calculated using JEDEC client workload (JESD219) and vary by product capacity.

<sup>4</sup>Limited Warranty Period or Max Endurance (TBW) limit, whichever occurs first. See [support.wdc.com/warranty](https://support.wdc.com/warranty) for regional specific warranty details.

<sup>5</sup>1MB/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. Performance will vary depending on your hardware and software components and configurations

<sup>6</sup>Endurance rating based on DW/D using 8KiB random write workload over 5 years.

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