



# Internal Product Overview

## Desktop/Mobile Storage



**WD BLUE™**  
Solid performance and reliability  
for everyday computing.

- WD quality inside and out
- Solid performance
- Low noise and vibration
- 2-year limited warranty

Form Factor	Capacity	Model Number	Cache	Interface	Spin Speed	Advanced Format
3.5-inch	1 TB	WD10EZEX	64 MB	SATA 6 Gb/s	7200 RPM	Yes
3.5-inch	750 GB	WD7500AZEX	64 MB	SATA 6 Gb/s	7200 RPM	Yes
3.5-inch	500 GB	WD5000AAKX	16 MB	SATA 6 Gb/s	7200 RPM	No
3.5-inch	320 GB	WD3200AAKX	16 MB	SATA 6 Gb/s	7200 RPM	No
3.5-inch	250 GB	WD2500AAKX	16 MB	SATA 6 Gb/s	7200 RPM	No
3.5-inch	320 GB	WD3200AAJB	8 MB	PATA 100 MB/s	7200 RPM	No
3.5-inch	250 GB	WD2500AAJB	8 MB	PATA 100 MB/s	7200 RPM	No
3.5-inch	160 GB	WD1600AAJB	8 MB	PATA 100 MB/s	7200 RPM	No
3.5-inch	80 GB	WD800AAJB	8 MB	PATA 100 MB/s	7200 RPM	No
2.5-inch/9.5mm	1 TB	WD10JPVX	8 MB	SATA 6 Gb/s	5400 RPM	Yes
2.5-inch/9.5mm	750 GB	WD7500BPVX	8 MB	SATA 6 Gb/s	5400 RPM	Yes
2.5-inch/5mm	500 GB	WD5000MPCK	16 MB	SATA 6 Gb/s	5400 RPM	Yes
2.5-inch/7mm <sup>1</sup>	500 GB	WD5000LPVX	8 MB	SATA 6 Gb/s	5400 RPM	Yes
2.5-inch/7mm <sup>1</sup>	320 GB	WD3200LPVX	8 MB	SATA 6 Gb/s	5400 RPM	Yes
2.5-inch/7mm <sup>1</sup>	250 GB	WD2500LPVX	8 MB	SATA 6 Gb/s	5400 RPM	Yes
2.5-inch/9.5mm	1 TB	WD10JPVT	8 MB	SATA 3 Gb/s	5400 RPM	Yes
2.5-inch/9.5mm	750 GB	WD7500BPVT	8 MB	SATA 3 Gb/s	5400 RPM	Yes
2.5-inch/9.5mm	500 GB	WD5000BPVT	8 MB	SATA 3 Gb/s	5400 RPM	Yes
2.5-inch/9.5mm	320 GB	WD3200BPVT	8 MB	SATA 3 Gb/s	5400 RPM	Yes
2.5-inch/9.5mm	250 GB	WD2500BPVT	8 MB	SATA 3 Gb/s	5400 RPM	Yes
2.5-inch/7mm <sup>1</sup>	500 GB	WD5000LPVT	8 MB	SATA 3 Gb/s	5400 RPM	Yes
2.5-inch/7mm <sup>1</sup>	320 GB	WD3200LPVT	8 MB	SATA 3 Gb/s	5400 RPM	Yes
2.5-inch/7mm <sup>1</sup>	250 GB	WD2500LPVT	8 MB	SATA 3 Gb/s	5400 RPM	Yes

<sup>1</sup> Ideal for use in thin notebooks and also compatible with mainstream systems using standard 9.5 mm slots.



**WD GREEN™**  
Cool, quiet operation for  
efficient eco-conscious computing.

- Cool and quiet
- Reduced power consumption
- Eco-conscious design
- 2-year limited warranty

Form Factor	Capacity	Model Number	Cache	Interface	Power Consumption (Read/Write)	Power Consumption (Idle)	Advanced Format
3.5-inch	3 TB	WD30EZR	64 MB	SATA 6 Gb/s	6 W	5.5 W	Yes
3.5-inch	2 TB	WD20EZR	64 MB	SATA 6 Gb/s	6 W	5.5 W	Yes
3.5-inch	2 TB	WD20EAR	64 MB	SATA 6 Gb/s	5.3 W	3.3 W	Yes
3.5-inch	1.5 TB	WD15EAR	64 MB	SATA 6 Gb/s	5.3 W	3.3 W	Yes
3.5-inch	1 TB	WD10EAR	64 MB	SATA 6 Gb/s	5.3 W	3.3 W	Yes
3.5-inch	1 TB	WD10EZR	64 MB	SATA 6 Gb/s	3.7 W	2.1 W	Yes
3.5-inch	500 GB	WD5000AZRX	64 MB	SATA 6 Gb/s	3.7 W	2.1 W	Yes
2.5-inch/15mm <sup>2</sup>	2 TB	WD20NPVX	8 MB	SATA 6 Gb/s	1.7 W	0.8 W	Yes
2.5-inch/15mm <sup>2</sup>	1.5 TB	WD15NPVX	8 MB	SATA 6 Gb/s	1.7 W	0.8 W	Yes
2.5-inch/15mm <sup>2</sup>	2 TB	WD20NPVT	8 MB	SATA 3 Gb/s	1.7 W	0.8 W	Yes
2.5-inch/15mm <sup>2</sup>	1.5 TB	WD15NPVT	8 MB	SATA 3 Gb/s	1.7 W	0.8 W	Yes

<sup>2</sup> Designed for PCs and custom external enclosures. Cannot be used in laptop or notebook computers.

## Desktop/Mobile Storage Continued



### WD BLACK™ Maximum performance for power computing.

- High-performance electronics
- Rock-solid mechanical architecture
- Dual processor technology
- 5-year limited warranty

Form Factor	Capacity	Model Number	Cache	Interface	Spin Speed	Advanced Format
3.5-inch	4 TB	WD4001FAEX	64 MB	SATA 6 Gb/s	7200 RPM	No
3.5-inch	3 TB	WD3001FAEX	64 MB	SATA 6 Gb/s	7200 RPM	No
3.5-inch	2 TB	WD2002FAEX	64 MB	SATA 6 Gb/s	7200 RPM	No
3.5-inch	1 TB	WD1002FAEX	64 MB	SATA 6 Gb/s	7200 RPM	No
3.5-inch	500 GB	WD5003AZEX	64 MB	SATA 6 Gb/s	7200 RPM	No
2.5-inch/9.5mm	750 GB	WD7500BPKT	16 MB	SATA 3 Gb/s	7200 RPM	Yes
2.5-inch/9.5mm	500 GB	WD5000BPKT	16 MB	SATA 3 Gb/s	7200 RPM	Yes
2.5-inch/9.5mm	320 GB	WD3200BEKT	16 MB	SATA 3 Gb/s	7200 RPM	No
2.5-inch/9.5mm	250 GB	WD2500BEKT	16 MB	SATA 3 Gb/s	7200 RPM	No
2.5-inch/9.5mm	160 GB	WD1600BEKT	16 MB	SATA 3 Gb/s	7200 RPM	No

## NAS Storage



### WD RED™ Designed and manufactured specifically for home and small office NAS systems.

- Optimal compatibility
- Exclusive NASware™ technology
- Free WD Red premium support line
- 3-year limited warranty

Form Factor	Capacity	Model Number	Cache	Interface	3D Active Balance	MTBF
3.5-inch	3 TB	WD30EFRX	64 MB	SATA 6 Gb/s	Yes	1 million hours
3.5-inch	2 TB	WD20EFRX	64 MB	SATA 6 Gb/s	Yes	1 million hours
3.5-inch	1 TB	WD10EFRX	64 MB	SATA 6 Gb/s	Yes	1 million hours

## Workstation Storage



### WD VELOCIRAPTOR® High-performance storage for power users.

- Ultra fast
- Up to 1 TB capacity
- Rock-solid reliability
- 5-year limited warranty

Form Factor	Capacity	Model Number	Cache	Interface	Spin Speed	MTBF
3.5-inch <sup>3</sup>	1 TB	WD1000DHTZ	64 MB	SATA 6 Gb/s	10,000 RPM	1.4 million hours
3.5-inch <sup>3</sup>	500 GB	WD5000HHTZ	64 MB	SATA 6 Gb/s	10,000 RPM	1.4 million hours
3.5-inch <sup>3</sup>	250 GB	WD2500HHTZ	64 MB	SATA 6 Gb/s	10,000 RPM	1.4 million hours
2.5-inch <sup>4</sup>	1 TB	WD1000CHTZ	64 MB	SATA 6 Gb/s	10,000 RPM	1.4 million hours
2.5-inch <sup>4</sup>	500 GB	WD5000BHTZ	64 MB	SATA 6 Gb/s	10,000 RPM	1.4 million hours
2.5-inch <sup>4</sup>	250 GB	WD2500BHTZ	64 MB	SATA 6 Gb/s	10,000 RPM	1.4 million hours

<sup>3</sup> 2.5-inch hard drive in a 3.5-inch WD IcePack™ mounting frame.

<sup>4</sup> Available on a build to order basis, contact your WD Sales representative for more information.

# Video Storage



## WD AV-GP

24x7 reliability for video streaming.

- 24x7 reliability
- Cool and quiet
- Supports up to twelve HD streams
- 3-year limited warranty

Form Factor	Capacity	Model Number	Cache	Interface	Advanced Format	Power Consumption (Read/Write)	Power Consumption (Idle)	MTBF
3.5-inch	1 TB	WD10EURX	64 MB	SATA 6 Gb/s	Yes	5.2 W	3.3 W	1 million hours
3.5-inch	3 TB	WD30EURS	64 MB	SATA 3 Gb/s	Yes	6 W	5.5 W	1 million hours
3.5-inch	2 TB	WD20EURS	64 MB	SATA 3 Gb/s	Yes	4.5 W	4.0 W	1 million hours
3.5-inch	750 GB	WD7500AURS	64 MB	SATA 3 Gb/s	Yes	4.9 W	4.2 W	1 million hours
3.5-inch	500 GB	WD5000AVDS	32 MB	SATA 3 Gb/s	No	4.1 W	3.7 W	1 million hours
3.5-inch	1 TB	WD10EUCX	16 MB	SATA 6 Gb/s	Yes	5.25 W	3.3 W	1 million hours
3.5-inch	500 GB	WD5000AVCS	16 MB	SATA 3 Gb/s	No	4.1 W	3.7 W	1 million hours
3.5-inch	320 GB	WD3200AVCS	16 MB	SATA 3 Gb/s	No	4.1 W	3.7 W	1 million hours
3.5-inch	250 GB	WD2500AVCS	16 MB	SATA 3 Gb/s	No	4.1 W	3.7 W	1 million hours
3.5-inch	160 GB	WD1600AVCS	16 MB	SATA 3 Gb/s	No	4.1 W	3.7 W	1 million hours



## WD AV-25

Engineered to thrive in 24x7 streaming environments.

- 24x7 reliability
- Low power, compact storage
- Supports up to five HD streams
- 3-year limited warranty

Form Factor	Capacity	Model Number	Cache	Interface	Spin Speed	Advanced Format	MTBF
2.5-inch/9.5mm	1 TB	WD10JUCT	16 MB	SATA 3 Gb/s	5400 RPM	Yes	1 million hours
2.5-inch/9.5mm	500 GB	WD5000LUCT	16 MB	SATA 3 Gb/s	5400 RPM	Yes	1 million hours
2.5-inch/9.5mm	500 GB	WD5000BUCT	16 MB	SATA 3 Gb/s	5400 RPM	Yes	1 million hours
2.5-inch/9.5mm	320 GB	WD3200BUCT	16 MB	SATA 3 Gb/s	5400 RPM	Yes	1 million hours
2.5-inch/9.5mm	250 GB	WD2500BUCT	16 MB	SATA 3 Gb/s	5400 RPM	Yes	1 million hours
2.5-inch/9.5mm	160 GB	WD1600BUCT	16 MB	SATA 3 Gb/s	5400 RPM	Yes	1 million hours

# Datacenter Storage



## WD Xe High-density performance storage for demanding applications.

- Ultra-fast SAS storage
- Low power consumption
- Industry-leading reliability
- 5-year limited warranty

Form Factor	Capacity	Model Number	Cache	Interface	Spin Speed	MTBF
2.5-inch	900 GB	WD9001BKHG	32 MB	SAS 6 Gb/s	10,000 RPM	2 million hours
2.5-inch	600 GB	WD6001BKHG	32 MB	SAS 6 Gb/s	10,000 RPM	2 million hours
2.5-inch	450 GB	WD4501BKHG	32 MB	SAS 6 Gb/s	10,000 RPM	2 million hours
2.5-inch	300 GB	WD3001BKHG	32 MB	SAS 6 Gb/s	10,000 RPM	2 million hours
3.5-inch <sup>5</sup>	900 GB	WD9001HKHG	32 MB	SAS 6 Gb/s	10,000 RPM	2 million hours
3.5-inch <sup>5</sup>	600 GB	WD6001HKHG	32 MB	SAS 6 Gb/s	10,000 RPM	2 million hours
3.5-inch <sup>5</sup>	450 GB	WD4501HKHG	32 MB	SAS 6 Gb/s	10,000 RPM	2 million hours
3.5-inch <sup>5</sup>	300 GB	WD3001HKHG	32 MB	SAS 6 Gb/s	10,000 RPM	2 million hours

<sup>5</sup> 2.5-inch hard drive mounted in a 3.5-inch performance adapter.



## WD Re Durable capacity storage for high-availability deployments.

- Industry-leading capacity
- High performance
- 24x7 reliability
- 5-year limited warranty

Form Factor	Capacity	Model Number	Cache	Interface	Spin Speed	MTBF
3.5-inch	4 TB	WD4001FYYG	32 MB	SAS 6 Gb/s	7200 RPM	1.4 million hours
3.5-inch	3 TB	WD3001FYYG	32 MB	SAS 6 Gb/s	7200 RPM	1.4 million hours
3.5-inch	2 TB	WD200MFYYG	32 MB	SAS 6 Gb/s	7200 RPM	1.4 million hours
3.5-inch	2 TB	WD2001FYYG	32 MB	SAS 6 Gb/s	7200 RPM	1.4 million hours
3.5-inch	1 TB	WD1001FYYG	32 MB	SAS 6 Gb/s	7200 RPM	1.4 million hours
3.5-inch	4 TB	WD4000FYYZ	64 MB	SATA 6 Gb/s	7200 RPM	1.2 million hours
3.5-inch	3 TB	WD3000FYYZ	64 MB	SATA 6 Gb/s	7200 RPM	1.2 million hours
3.5-inch	2 TB	WD200MFYYZ	64 MB	SATA 6 Gb/s	7200 RPM	1.2 million hours
3.5-inch	2 TB	WD2000FYYZ	64 MB	SATA 6 Gb/s	7200 RPM	1.2 million hours
3.5-inch	2 TB	WD2003FYYS	64 MB	SATA 3 Gb/s	7200 RPM	1.2 million hours
3.5-inch	1 TB	WD1003FBYZ	64 MB	SATA 6 Gb/s	7200 RPM	1.2 million hours
3.5-inch	500 GB	WD5003ABYZ	64 MB	SATA 6 Gb/s	7200 RPM	1.2 million hours
3.5-inch	250 GB	WD2503ABYZ	64 MB	SATA 6 Gb/s	7200 RPM	1.2 million hours



## WD Se Optimal storage for NAS and scale-out architectures.

- Maximum capacity
- Cost-effective
- 24x7x365 reliability
- 5-year limited warranty

Form Factor	Capacity	Model Number	Cache	Interface	Spin Speed	MTBF
3.5-inch	4 TB	WD4000F9YZ	64 MB	SATA 6 Gb/s	7200 RPM	800,000 hours
3.5-inch	3 TB	WD3000F9YZ	64 MB	SATA 6 Gb/s	7200 RPM	800,000 hours
3.5-inch	2 TB	WD2000F9YZ	64 MB	SATA 6 Gb/s	7200 RPM	800,000 hours

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As used for storage capacity, one megabyte (MB) = one million bytes, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabit per second (Gb/s) = one billion bits per second.

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