



Product Highlights

- Reliable, everyday computing
- Western Digital quality and reliability
- Free Acronis® True Image™ WD Edition software
- Capacities up to 8TB¹
- Two-year limited warranty²

WD Blue™ 3.5-inch PC HDD

WD Blue internal hard drives deliver solid reliability for office and web applications and are perfect for extra storage for desktop PCs and in-office applications.

Low Power Consumption

State-of-the-art seeking algorithms and advanced power management features help ensure low power consumption.

NoTouch™ Ramp Load Technology

The recording head never touches the disk media, ensuring significantly less wear to the recording head and media as well as better drive protection in transit.

Upgrading Your Drive Is Easy

Seamlessly migrate your current system to your new Western Digital drive using Acronis® True Image™ WD Edition software, available as a free download on the Western Digital Support site. This software enables you to copy all your data to a new drive so you don't have to reinstall your operating system to get all the benefits of a new drive.

Two-Year Limited Warranty

As an industry-leading hard drive manufacturer, Western Digital stands behind their PC storage solutions with a 2-year limited warranty² included with every WD Blue hard drive.

WD Blue™ 3.5-inch PC HDD

PRODUCT BRIEF

3.5-INCH PC HARD DRIVE

Specifications

	8TB	6TB	6TB	4TB	4TB	3TB	3TB
Model Number³	WD80EAZZ	WD60EAZZ	WD60EZAX	WD40EZAX	WD40EZZ	WD30EZAX	WD30EZZ
Recording Technology ⁴	CMR	SMR	CMR	CMR	SMR	CMR	SMR
Formatted capacity ¹	8TB	6TB	6TB	4TB	4TB	2TB	3TB
Form factor	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch
Advanced Format (AF)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RoHS compliant ⁵	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Performance							
Interface speed	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Internal transfer rate ⁶ (max)	185 MB/s	180 MB/s	180 MB/s	180 MB/s	180 MB/s	180 MB/s	180 MB/s
Cache (MB) ⁷	128	256	256	256	256	256	256
RPM	5640	5400	5400	5400	5400	5400	5400
Reliability/Data Integrity							
Load/unload cycles ⁸	300,000	300,000	300,000	300,000	300,000	300,000	300,000
Non-recoverable read errors per bits read	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴
Limited warranty (years) ²	2	2	2	2	2	2	2
Power Management⁹							
Average power requirements (W)							
12VDC ±10% (A, peak)	1.75	1.75	1.75	1.75	1.75	1.75	1.75
Read/Write	6.2	4.8	4.7	4.7	4.8	4.7	4.8
Idle	4.1	3.1	3.1	3.1	3.1	3.1	3.1
Standby and Sleep	0.4	0.6	0.3	0.3	0.6	0.3	0.6
Environmental Specifications¹⁰							
Temperature (°C, on the base casting)							
Operating	0 to 65	0 to 60	0 to 60	0 to 60	0 to 60	0 to 60	0 to 60
Non-operating	-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70
Shock (Gs)							
Operating (2 ms, write)	70	30	70	70	30	70	30
Operating (2 ms, read)	70	65	70	70	65	70	65
Non-operating (2 ms)	250	250	250	250	250	250	250
Acoustics (dBA) ¹¹							
Idle	25	23	23	23	23	23	23
Seek (average)	30	27	27	25	27	25	27
Physical Dimensions							
Height (in./mm, max)	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1
Length (in./mm, max)	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147
Width (in./mm, ± .01 in.)	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6
Weight (lb/kg, ± 3%)	1.65/0.75	1.40/0.64	1.26/0.57	1.26/0.57	1.26/0.57	1.26/0.57	1.26/0.57

Specifications subject to change without notice.

¹ As used for storage capacity, 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.

² See <http://support.wd.com/warranty> for regional specific warranty details.

³ Not all products may be available in all regions of the world.

⁴ Implementation of SMR for the following products using SMR recording technology is device-managed SMR.

⁵ This hard drive product meets or exceeds Restriction of Hazardous Substances (RoHS) compliance requirements as mandated by the RoHS Directive 2011/65/EU and Directive (EU) 2015/863.

⁶ 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.

⁷ 1MB = 1 million bytes, 1GB = 1 billion bytes, and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.

⁸ Controlled unload at ambient condition.

⁹ Power measurements at room-ambient temperature.

¹⁰ No non-recoverable errors during operating tests or after non-operating tests.

¹¹ Sound power level.

WD Blue™ 3.5-inch PC HDD

PRODUCT BRIEF

3.5-INCH PC HARD DRIVE

Specifications

	2TB	2TB	1TB	1TB	500GB	500GB
Model Number ³	WD20EZBX	WD20EZZ	WD10EZRX	WD10EZEX	WD5000AZRX	WD5000AZLX
Recording Technology ⁴	SMR	SMR	CMR	CMR	CMR	CMR
Formatted capacity ¹	2TB	2TB	1TB	1TB	500GB	500GB
Form factor	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch
Advanced Format (AF)	Yes	Yes	Yes	Yes	Yes	Yes
RoHS compliant ⁵	Yes	Yes	Yes	Yes	Yes	Yes

Performance

Interface speed	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Internal transfer rate ⁶ (max)	215 MB/s	180 MB/s	150 MB/s	150 MB/s	150 MB/s	150 MB/s
Cache (MB) ⁷	256	256	64	64	64	32
RPM	7200	5400	5400	7200	5400	7200

Reliability/Data Integrity

Load/unload cycles ⁸	300,000	300,000	300,000	300,000	300,000	300,000
Non-recoverable read errors per bits read	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴
Limited warranty (years) ²	2	2	2	2	2	2

Power Management⁹

Average power requirements (W)						
12VDC ±10% (A, peak)	1.75	1.31	1.2	2.5	1.2	1.77
Read/Write	5.6	4.1	3.3	6.8	3.3	6.8
Idle	3.7	2.3	2.5	6.1	2.5	6.1
Standby and Sleep	0.4	0.6	0.4	1.2	0.4	1.2

Environmental Specifications¹⁰

Temperature (°C, on the base casting)						
Operating	0 to 60	0 to 60	0 to 60	0 to 60	0 to 60	0 to 60
Non-operating	-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70
Shock (Gs)						
Operating (2 ms, write)	30	30	30	30	30	30
Operating (2 ms, read)	65	65	65	65	65	65
Non-operating (2 ms)	350	350	350	350	350	350
Acoustics (dBA) ¹¹						
Idle	25	21	21	29	21	29
Seek (average)	27	26	24	30	22	30

Physical Dimensions

Height (in./mm, max)	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1
Length (in./mm, max)	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147
Width (in./mm, ± .01 in.)	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6
Weight (lb/kg, ± 3%)	0.99/0.45	0.99/0.45	0.99/0.45	0.99/0.45	0.99/0.45	0.99/0.45

Specifications subject to change without notice.

¹ As used for storage capacity, 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.

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