



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

NoTouch™ Ramp Load Technology

Safely positions the recording head off the disk surface to protect your data.

Low Power Consumption

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

Tested For Compatibility

We perform tests on hundreds of systems and a multitude of platforms in our F.I.T. Lab to give our customers confidence that our drives will work in their systems.

Highlights

- Reliable everyday computing
- Western Digital quality and reliability
- Free Acronis® True Image™ WD Edition cloning software
- Massive capacity up to 6TB
- Two year limited warranty

Upgrading Your Drive is Easy

Seamlessly migrate your current system to your new Western Digital drive using Acronis® True Image™ WD Edition cloning software, available as a free download on the WD 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 warranty included with every WD Blue hard drive.

INTERFACE
SATA 6 Gb/s

PERFORMANCE CLASS
5400 RPM Class

FORM FACTOR
3.5-inch

CAPACITIES
500GB to 6TB

MODEL NUMBERS

WD60EZZ	WD30EZRZ	WD10EZRZ
WD60EZRZ	WD20EZZ	WD10EZEX
WD40EZRZ	WD20EZRZ	WD5000AZRZ

THE WESTERN DIGITAL ADVANTAGE

Western Digital puts our products through extensive Functional Integrity Testing (F.I.T.) prior to any product launch. This testing ensures our products consistently meet the highest quality and reliability standards of the Western Digital brand.

Western Digital also has a detailed Knowledge Base with more than 1,000 helpful articles as well as helpful software and utilities. Our customer support lines have longer operational hours to ensure you get the help you need when you need it. Our toll-free customer support lines are here to help or you can access our Western Digital Support site for additional details.

Specifications

	6TB	6TB	4TB	3TB	2TB	2TB	1TB	1TB	500GB
Model Number ²	WD60EZAZ	WD60EZRZ	WD40EZRZ	WD30EZRZ	WD20EZAZ	WD20EZRZ	WD10EZRZ	WD10EZEX	WD5000AZRZ
Formatted capacity ¹	6TB	6TB	4TB	3TB	2TB	2TB	1TB	1TB	500GB
Form factor	3.5-inch	3.5-inch	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	Yes	Yes
RoHS compliant ³	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Performance

Interface transfer rate (max) ¹									
Buffer to host	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Host to/from drive (sustained)	180 MB/s	170 MB/s	175 MB/s	147 MB/s	180 MB/s	147 MB/s	150 MB/s	150 MB/s	150 MB/s
Cache (MB) ¹	256	64	64	64	256	64	64	64	64
Performance Class	5400 RPM	5400 RPM	5400 RPM	5400 RPM	5400 RPM	5400 RPM	5400 RPM	5400 RPM	5400 RPM

Reliability/Data Integrity

Load/unload cycles ⁴	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000
Non-recoverable read errors per bits read	<1 in 10 ¹⁵	<1 in 10 ¹⁵	<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) ⁵	2	2	2	2	2	2	2	2	2

Power Management⁶

Average power requirements (W)									
12VDC ±10% (A, peak)	1.75	1.75	1.75	1.73	1.31	1.73	1.2	2.5	2.0
Read/Write	4.8	5.3	4.5	4.1	4.1	4.1	3.3	6.8	3.3
Idle	3.1	3.4	2.9	3.0	2.3	3.0	2.5	6.1	2.5
Standby and Sleep	0.6	0.4	0.4	0.4	0.6	0.4	0.4	1.2	0.4

Environmental Specifications⁷

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	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	-40 to 70	-40 to 70
Shock (Gs)									
Operating (2 ms, read/write)	30	30	30	30	30	30	30	30	30
Operating (2 ms, read)	65	65	65	65	65	65	65	65	65
Non-operating (2 ms)	250	250	250	250	350	250	350	350	350
Acoustics (dBA) ⁸									
Idle	23	25	23	23	21	23	21	29	29
Seek (average)	27	28	27	27	26	27	24	30	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	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	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	4/101.6	4/101.6
Weight (lb/kg, ± 10%)	1.65/0.75	1.65/0.75	1.40/0.64	1.40/0.715	0.99/0.45	1.32/0.60	0.99/0.45	0.99/0.45	0.99/0.45

¹ As used for storage capacity, one gigabyte (GB) = one billion bytes and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for buffer or cache, one megabyte (MB) = 1,048,576 bytes. 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. Effective maximum SATA 6 Gb/s transfer rate calculated according to the Serial ATA specification published by the SATA-IO organization as of the date of this specification sheet. Visit www.sata-io.org for details.

² Not all products may be available in all regions of the world.

³ WD hard drive products manufactured and sold worldwide after June 8, 2011, meet or exceed Restriction of Hazardous Substances (RoHS) compliance requirements as mandated by the RoHS Directive 2011/65/EU.

⁴ Controlled unload at ambient condition.

⁵ See <http://support.wd.com/warranty> for regional specific warranty details.

⁶ Power measurements at room-ambient temperature.

⁷ No non-recoverable errors during operating tests or after

non-operating tests.

⁸ Sound power level.

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