WD®

WD GREEN™
Desktop Hard Drives

WD Green hard drives are designed for use in systems that require cool and quiet operation in PCs, or for external enclosures and other applications for which low noise and low heat are beneficial. These reliable hard drives are ideal for use whenever energy efficiency, lower power consumption and massive capacity are needed.

INTERFACE	WIDTH/HEIGHT	ROTATIONAL SPEED	CAPACITIES
SATA 6 Gb/s	3.5-inch/1-inch	IntelliPower™	500 GB to 4 TB

MODEL NUMBERS

WD40EZRX	WD15EZRX
WD30EZRX	WD10EZRX
WD20EZRX	WD5000AZRX

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

Product Features

Conflict-free materials
As a leader in hard drive manufacturing, WD proudly guarantees our hard drives are built with 100% conflict-free raw materials.

Halogen free
In addition to being RoHS compliant, all WD Green drives are lead and halogen free.

Reduced rare earths dependency
WD's next-generation WD Green hard drives are built using less rare earth minerals.

Reduced power consumption
Best-in-class power management technology delivers significant power savings and solid performance.

Cool and quiet
WD GreenPower Technology™ yields lower operating temperatures for increased reliability and low acoustics perfect for ultra-quiet PCs and external drives.

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.

IntelliSeek™
Calculates optimum seek speeds to lower power consumption, noise and vibration.

Tested for compatibility
We perform tests on hundreds of systems and a multitude of platforms in our FIT Lab™ to give our customers confidence that our drives will work in their systems.

Applications

WD Green hard drives are tested and recommended for use as secondary storage in PCs, external enclosures and applications that require cool and quiet operation. Desktop drives are not recommended for use in RAID environments. Please consider using WD Red™ hard drives for home and small office 1-5 bay NAS systems and WD Datacenter hard drives for rackmount and NAS systems with more than 5 bays.*

* WD hard drives are designed and tested for use in specific applications and environments. This ensures that your hard drive is compatible with and functions properly in your application. Our hard drives are warranted against defects in materials and workmanship in the system for which they were designed. Use in systems other than for what the hard drive was designed could result in compatibility problems that affect proper function, unrelated to material and/or workmanship defects. For best results, be sure to select the appropriate product for your application by consulting our product spec sheets on our website at www.wd.com or by calling our customer support line where we would be happy to help you through the selection process.

The WD Advantage

WD 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 WD brand. WD 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 WD Support site for additional details.

WD GreenPower™
TECHNOLOGY

Specifications	4 TB	3 TB	2 TB	1.5 TB	1 TB	500 GB
Model number	WD40EZRX	WD30EZRX	WD20EZRX	WD15EZRX	WD10EZRX	WD5000AZRX
Interface	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
Formatted capacity[1]	4 TB	3 TB	2 TB	1 TB	1 TB	500 GB
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[2]	Yes	Yes	Yes	Yes	Yes	Yes
Performance						
Data transfer rate (max)						
Buffer to host	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Host to/from drive (sustained)	150 MB/s	147 MB/s	147 MB/	147 MB/s	150 MB/	150 MB/
Cache (MB)	64	64	64	64	64	64
Rotational speed (RPM)[3]	IntelliPower	IntelliPower	IntelliPower	IntelliPower	IntelliPower	IntelliPower
Reliability/Data Integrity						
Load/unload cycles[4]	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)[5]	2	2	2	2	2	2
Power Management						
12VDC ±10% (A, peak)	1.75	1.73	1.73	1.73	1.2	1.2
Average power requirements (W)						
Read/Write	4.5	4.1	4.1	4.1	3.3	3.3
Idle	3.3	3.0	3.0	3.0	2.5	2.5
Standby/Sleep	0.4	0.4	0.4	0.4	0.4	0.4
Environmental Specifications[6]						
Temperature (°C)[7]						
Operating	0 to 65	0 to 65	0 to 65	0 to 65	0 to 65	0 to 65
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, read)	30	30	30	30	30	30
Operating (2 ms, read/write)	65	65	65	65	65	65
Non-operating (1 ms)	250	250	250	250	350	350
Average acoustics (dBA)[8]						
Idle	25	23	23	23	21	21
Seek mode	29	27	27	27	24	22
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, ± 10%)	1.50/0.68	1.40/0.64	1.32/0.60	1.32/0.60	0.99/0.45	0.99/0.45

[1] 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 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 3 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] 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.

[3] A fine-tuned balance of spin speed, transfer rate and caching algorithms designed to deliver both significant power savings and solid performance. For each WD Green drive model, WD may use a different, invariable RPM.

[4] Controlled unload at ambient condition.

[5] The term of the limited warranty may vary by region. Visit http://support.wd.com/warranty for details.

[6] No non-recoverable errors during operating tests or after non-operating tests.

[7] On the base casting.

[8] Sound power level.

WD Green is part of WD's complete lineup of internal hard drives.

WD BLUE™ — Everyday Storage
WD GREEN™ — Cool & Quiet Storage
WD BLACK™ — Performance Storage
WD RED™ — NAS Storage

Windows 8 Compatible
Compatible with Windows 7
Mac

N3565
CE
Canada ICES-003 Class B / NMB-003 Classe B

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