WD®

absolutely™

WD Green™
Desktop Hard Drives

WD Green storage is designed specifically with reliability in mind for an increased drive lifespan. The advantage of being cool and quiet impacts overall reliability while reduced heat output, decreased power consumption, quiet acoustics, and best-in-class power management make WD Green a leader when compared to the competition.

WD Green™

INTERFACE	FORM FACTOR	ROTATIONAL SPEED	CAPACITIES
SATA 6 Gb/s	3.5-inch	IntelliPower™	500 GB to 4 TB

MODEL NUMBERS

WD40EZRX	WD15EZRX
WD30EZRX	WD10EZRX
WD20EZRX	WD5000AZRX

Product Features

The advantage of cool & quiet
Heat has a large impact on the overall reliability of a HDD's life over time. It can also lead to increased power consumption, the requirement of additional fans and increased fan operation, increased noise levels and the increased chance of failure. WD Green drives come equipped with WD GreenPower Technology™ which allows the drive to operate cooler with increased overall reliability.

Power management with performance
Best-in-class power management, reduced heat output, and next-generation technologies such as IntelliSeek™ offer a perfect balance of performance and power, making WD Green a leader in performance when compared to the competition 's 4 TB HDD.

Reliability with an increased lifespan
Quiet acoustics, reduced vibration and advanced 4K HDD formatting makes WD Green a stronger solution when compared to the competition and perfect for PCs and external drive applications. WD Green also features a Dual Stage Actuator, which delivers higher precision motion for 2X the data performance and increases drive reliability.

Capacity storage
Large capacity offerings of up to 4 TBs help expand customer capabilities and application usage of WD Green including primary installations in desktop PCs, as secondary storage in external cases or as reliable backup storage.

Next-generation technology
Reduced power consumption, improved data tracking, and WD GreenPower Technology all help to improve the overall reliability of WD Green making it an efficient solution that lowers your total cost of ownership. NoTouch™ Ramp Load Technology also protects the drive by ensuring the recording head never touches the disk media, reducing wear and tear to the head and increases drive reliability.

Easy upgrade
Acronis® True Image™ , available as a download on the WD Support website, enables you to clone or copy all your data to a new drive so you don't have to reinstall your operating system and applications to get all the benefits of a new drive.

Applications

WD Green hard drives are tested and recommended for primary use in desktop and All-in-One PCs, as secondary storage for archiving, in external cases or as reliable backup storage. 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.

WD GreenPower™
TECHNOLOGY

Specifications	4 TB	3 TB	2 TB	1.5 TB	1 TB	500 GB
Model number[1]	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[2]	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[3]	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/s	147 MB/s	150 MB/s	150 MB/s
Cache (MB)	64	64	64	64	64	64
Rotational speed (RPM)[4]	IntelliPower	IntelliPower	IntelliPower	IntelliPower	IntelliPower	IntelliPower
Reliability/Data Integrity						
Load/unload cycles[5]	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)[6]	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[7]						
Temperature (°C)[8]						
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, 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)[9]						
Idle	25	23	23	23	21	21
Seek mode	28	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] Not all products may be available in all regions of the world.

[2] 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.

[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] 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.

[5] Controlled unload at ambient condition.

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

[7] No non-recoverable errors during operating tests or after non-operating tests.
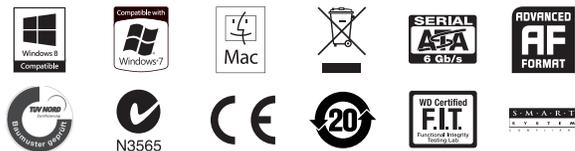
[8] On the base casting.

[9] Sound power level.

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Learn more about WD Green Desktop hard drives

For service and literature:
http://support.wd.com
www.wd.com

800.ASK.4WDC (800.275.4932)	North America
800.832.4778	Spanish
+800.6008.6008	Asia Pacific
00800.27549338	Europe (toll free where available)
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