



absolutely™

WD Green™ Mobile 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.



INTERFACE	FORM FACTOR	HEIGHT	ROTATIONAL SPEED	CAPACITIES
SATA 6 Gb/s	2.5-inch	15 mm*	IntelliPower™	1.5 TB to 2 TB

MODEL NUMBERS

WD20NPVX
WD15NPVX

*Cannot be used in laptop or notebook computers. Designed for PCs and custom external enclosures. Consult system specifications for maximum allowable drive height before attempting to install.

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.

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.

Capacity storage

Large capacity offerings of up to 2 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.

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.

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.

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.*

* 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.



Specifications	2 TB	1.5 TB
Model number ¹	WD20NPVX	WD15NPVX
Interface	SATA 6 Gb/s	SATA 6 Gb/s
Formatted capacity ²	2,000,398 MB	1,500,301 MB
User sectors per drive	3,907,029,168	2,930,277,168
Form factor	2.5-inch	2.5-inch
Advanced Format (AF)	Yes	Yes
RoHS compliant ³	Yes	Yes
Performance		
Data transfer rates		
Interface speed	6 Gb/s	6 Gb/s
Internal transfer rate (max)	135 MB/s	135 MB/s
Cache (MB)	8	8
Rotational speed (RPM) ⁴	IntelliPower	IntelliPower
Reliability/Data Integrity		
Load/unload cycles ⁵	600,000	600,000
Non-recoverable read errors per bits read	<1 in 10 ¹⁴	<1 in 10 ¹⁴
Limited warranty (years) ⁶	2	2
Power Management		
5VDC ±10% (A, peak)	1.00	1.00
Average power requirements (W)		
Read/Write	1.7	1.7
Idle	0.8	0.8
Standby/Sleep	0.2	0.2
Environmental Specifications⁷		
Temperature (°C)		
Operating	0 to 60	0 to 60
Non-operating	-40 to 65	-40 to 65
Shock (Gs)		
Operating (2 ms, read)	300	300
Non-operating (2 ms)	650	650
Acoustics (dBA) ⁸		
Idle	24	24
Seek (average)	25	25
Physical Dimensions		
Height (in./mm, max)	0.59/15	0.59/15
Length (in./mm, max)	3.94/100.20	3.94/100.20
Width (in./mm, ± .01 in.)	2.75/69.85	2.75/69.85
Weight (lb./kg, ± 10%)	0.40/0.18	0.40/0.18

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 transfer rate calculated according to the Serial ATA specification published by the SATA-I/O 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.

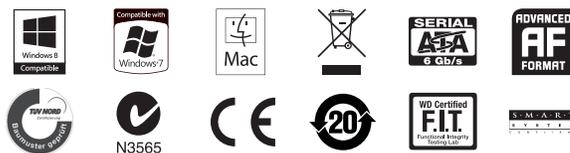
⁸ Sound power level.

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Learn more about WD Green Mobile hard drives



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