



WD Green™ SSD (Solid State Drive)

For use in laptops and desktop computers, WD Green SSDs offer high performance and reliability to boost your daily computing activities. With comprehensive WD F.I.T. Lab™ certification testing, and available in 2.5 7mm cased or M.2 2280 models, WD Green solid state drives are compatible with most PCs. The free WD SSD Dashboard lets you monitor your storage, and when combined with the 3-year limited warranty, upgrading your digital storage is worry-free.



INTERFACE	FORM FACTOR	CAPACITY
SATA III 6 Gb/s	2.5 inch/7mm cased M.2 2280	120GB – 240GB

Product Features

Improved performance for everyday computing

Enhance your system with a WD Green solid state drive and help improve the performance of your laptop or desktop computer for your daily computing needs. SLC (single-level cell) caching technology helps boost write performance in a WD Green SSD to browse the web, play your favorite casual games, or simply start up your system in a flash.

Solid state reliability

Designed without any moving parts, WD Green SSDs are built to be lightweight and shock-resistant to help protect against data loss if a drive is accidentally bumped or dropped. Combined with the comprehensive WD Functional

Integrity Testing Lab (F.I.T. Lab™) certification, every WD Green SSD is tested to ensure it meets the highest WD brand standards for digital storage. And with no moving parts in a WD Green SSD, you get reliable storage to withstand normal wear and tear for years to come.

Less power. More play.

WD Green solid state drives are among the lowest in power consumption in the industry. And with less power used, you can run your laptop PC for longer periods of time.

An easy upgrade for your PC

WD Green SSDs are available in a 2.5"/7mm cased model, and an M.2 2280 version to evolve with newer and smaller computers. With form factors to accommodate most laptop and desktop PCs, a WD Green SSD is ready for the job.

Free WD SSD Dashboard

The downloadable WD SSD Dashboard provides a suite of tools so you're always able to check on the health of your solid state drive. Available for free, this WD SSD Dashboard helps you track things like disk model, firmware version, S.M.A.R.T. attributes, or simply find out how much space you have left on your WD Green SSD.

3-year limited warranty

Every WD Green SSD comes with a 3-year limited warranty, so you can be confident of your storage when you upgrade or replace any of your drives.

Applications

WD Green SSDs are tested and recommended for use in desktop, all-in-one, and small form-factor PCs.

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 software and utilities. Our customer support lines have long 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 Green™ SSD

Specifications	240GB	120GB
Model Numbers²		
WD Green SSD 2.5"/7mm cased	WDS240G1GoA	WDS120G1GoA
WD Green SSD M.2 2280	WDS240G1GoB	WDS120G1GoB
Interface^{1,3}		
WD Green SSD 2.5"/7mm cased	SATA III 6 Gb/s	SATA III 6 Gb/s
WD Green SSD M.2 2280	SATA III 6 Gb/s	SATA III 6 Gb/s
Performance⁴ [4KB QD32]		
Sequential Read up to (MB/s)	540	540
Sequential Write up to (MB/s)	465	430
Random Read up to (IOPS)	37k	37k
Random Write up to (IOPS)	68k	63k
Endurance (TBW) ⁵	80	40
Power⁶		
Average Active Power (mW) ⁵	50	50
Max Read Operating (mW)	2000	2000
Max Write Operating (mW)	2500	2000
Slumber (mW)	30	30
DEVSLEP (mW)	3	3
Reliability		
MTTF ⁷	Up to 1.75M hours	Up to 1.75M hours
Environmental		
Operating Temperatures	0°C to 70°C	0°C to 70°C
Non-operating Temperatures	-55°C to 85°C	-55°C to 85°C
Operating Vibrations	5.0 gRMS, 10–2000 Hz	5.0 gRMS, 10–2000 Hz
Non-operating Vibrations	4.9 gRMS, 7–800 Hz	4.9 gRMS, 7–800 Hz
Shock	1,500 G @ 0.5 msec half sine	1,500 G @ 0.5 msec half sine
Certifications	FCC, UL, TUV, KC, BSMI, VCCI	FCC, UL, TUV, KC, BSMI, VCCI
Limited Warranty ⁸	3 years	3 years
Physical Dimensions		
Size: 2.5"/7mm cased	7.00mm x 69.85mm x 100.50mm	7.00mm x 69.85mm x 100.50mm
Size: M.2 2280	1.5mm x 22.0mm x 80mm	1.5mm x 22.0mm x 80mm
Weight: 2.5"/7mm cased	32.0g, ± 0.5g	32.0g, ± 0.5g
Weight: M.2 2280	± 6.51g	± 6.46g

Specifications subject to change without notice.

¹ Backward compatible to SATA II and I.

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

³ 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 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.

⁴ Performance is based on the CrystalDiskMark benchmark using a 1000MB LBA range on Gigabyte GA-Z77X-UD5H desktop with Intel Z77 chipset, Intel i7-3770 3.4GHz, 8M, Ivy Bridge, Windows 8 64-bit SP1 using Intel iRST version 11.7.0.1013, secondary drive, C-state off. Performance may vary based on host device. 1 MB = 1,000,000 bytes. IOPS = input/output operations per second.

⁵ TBW (terabytes written) values calculated using JEDEC client workload (JESD219) and vary by product capacity.

⁶ Measured using the MobileMark™ 2012 benchmark with DIPM (Device Initiated Power Management) enabled.

⁷ MTTF = Mean Time To Failure based on internal testing using Telcordia stress part testing.

⁸ See <http://support.wdc.com> for regional specific warranty details.

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