



Highlights

- SLC (single-level cell) caching boosts write performance to quickly perform everyday tasks.
- Shock-resistant and WD F.I.T. Lab™ certified for compatibility and reliability.
- Ultra low power-draw so you can use your laptop PC for longer periods of time.
- Available in 2.5"/7mm cased and M.2 2280 form factors to accommodate most PCs.
- The free, downloadable Western Digital SSD Dashboard¹ lets you easily monitor the status of your drive.
- Includes a 3-year limited warranty so upgrading your storage is worry-free.

INTERFACE

SATA III 6 Gb/s

CAPACITIES

120GB to 2TB

FORM FACTOR

2.5"/7mm cased

M.2 2280

MODEL NUMBERS

2.5"/7mm cased

WDS200T2G0A WDS100T2G0A WDS240G2G0A

WDS480G2G0A WDS120G2G0A

M.2 2280

WDS480G2G0B WDS120G2G0B

WDS240G2G0B

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, 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.

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

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 Western Digital SSD Dashboard

The downloadable Western Digital 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 Western Digital 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.

¹ Available for download at www.westerndigital.com.

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.

WD Green™ SATA SSD

DATA SHEET

SATA SSD

Specifications

	2TB	1TB	480GB	240GB	120GB
Model Number¹					
WD Green SSD 2.5"/7mm cased	WDS200T2G0A	WDS100T2G0A	WDS480G2G0A	WDS240G2G0A	WDS120G2G0A
WD Green SSD M.2 2280			WDS480G2G0B	WDS240G2G0B	WDS120G2G0B
Interface^{2,3}					
WD Green SSD 2.5"/7mm cased	SATA III 6 Gb/s	SATA III 6 Gb/s	SATA III 6 Gb/s	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	SATA III 6 Gb/s	SATA III 6 Gb/s	SATA III 6 Gb/s
Performance⁴ [4KB QD32]					
Sequential Read up to (MB/s)	545	545	545	545	545
Power⁵					
Avg. Active Power (mW)	80	80	80	80	80
Max Read Operating (mW)	2,800	2,800	2,800	2,800	2,200
Max Write Operating (mW)	2,800	2,800	2,800	2,800	2,200
Slumber (mW)	30	30	30	30	30
DEVSLP (mW)	10	10	10	10	10
Reliability					
MTTF ⁶	Up to 1.0M hours	Up to 1.0M hours	Up to 1.0M hours	Up to 1.0M hours	Up to 1.0M hours
Environmental					
Operating Temperatures	0°C to 70°C	0°C to 70°C	0°C to 70°C	0°C to 70°C	0°C to 70°C
Non-operating Temperatures	-55°C to 85°C	-55°C to 85°C	-55°C to 85°C	-55°C to 85°C	-55°C to 85°C
Operating Vibration	5.0 gRMS, 10-2000 Hz	5.0 gRMS, 10-2000 Hz	5.0 gRMS, 10-2000 Hz	5.0 gRMS, 10-2000 Hz	5.0 gRMS, 10-2000 Hz
Non-operating Vibration	4.9 gRMS, 7-800 Hz	4.9 gRMS, 7-800 Hz	4.9 gRMS, 7-800 Hz	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	1,500 G @ 0.5 msec half sine	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	FCC, UL, TUV, KC, BSMI, VCCI	FCC, UL, TUV, KC, BSMI, VCCI	FCC, UL, TUV, KC, BSMI, VCCI
Limited Warranty ⁷	3 years	3 years	3 years	3 years	3 years
Physical Dimensions					
Size: 2.5"/7mm cased	100.50mm x 69.85mm x 7.00mm	100.50mm x 69.85mm x 7.00mm	100.50mm x 69.85mm x 7.00mm	100.50mm x 69.85mm x 7.00mm	100.50mm x 69.85mm x 7.00mm
Size: M.2 2280	80mm x 22.0mm x 1.5mm	80mm x 22.0mm x 1.5mm	80mm x 22.0mm x 1.5mm	80mm x 22.0mm x 1.5mm	80mm x 22.0mm x 1.5mm
Weight: 2.5"/7mm cased	32.7g, ± 0.5g	32.7g, ± 0.5g	32.7g, ± 0.5g	32.2g, ± 0.5g	32.1g, ± 0.5g
Weight: M.2 2280	6.52g, ± 0.5g	6.52g, ± 0.5g	6.52g, ± 0.5g	6.51g, ± 0.5g	6.46g, ± 0.5g

Specifications are subject to change without notice

¹ Not all products may be available in all regions of the world.

² Backward compatible to SATA II and I.

³ As used for storage capacity, one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. 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.

⁴ Measured using CrystalDiskMark benchmark using a 1000MB

LBA range on ASUS Z170A ATX desktop with Intel Z170 chipset, Intel i7-6700K 4.0GHz, 8M, Skylake, 8GB 2133MHz DDR4, Windows 10 Pro 64-bit using Intel iRST version 15.2.0.1020, 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 Measured using the MobileMark™ 2014 benchmark with DIPM (Device Initiated Power Management) enabled.

⁶ MTTF = Mean Time To Failure based on internal testing using Telcordia stress part testing.

⁷ See support.westerndigital.com for regional specific warranty details.

Western Digital.

5601 Great Oaks Parkway
San Jose, CA 95119, USA
US (Toll-Free): 800.275.4932
International: 408.717.6000

www.westerndigital.com

© 2019 Western Digital Corporation or its affiliates. All rights reserved. Western Digital, the Western Digital logo, F.I.T. Lab, NoTouch and WD Green are registered trademarks or trademarks of Western Digital Corporation or its affiliates in the US and/or other countries. All other marks are the property of their respective owners. Product specifications subject to change without notice. Picture shown may vary from actual product. Not all products are available in all regions of the world.

