# Western Digital.

# WD Green™ SATA SSD

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.

## 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 Dashboard[1] 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

## 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

## Specifications

| | 2TB | 1TB | 480GB | 240GB | 120GB |
|---|---|---|---|---|---|
| **Model Number[1]** | | | | | |
| 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 |
| **Performance[4] [4KB QD32]** | | | | | |
| Sequential Read up to (MB/s) | 545 | 545 | 545 | 545 | 545 |
| **Power[5]** | | | | | |
| 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.**

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CAN ICES-3 (B) / NMB-3 (B)