

Western Digital

PRODUCT BRIEF SATA SSD



Product 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* lets you easily monitor the status of your drive.
- Includes a 3-year limited warranty[1] so upgrading your storage is worry-free.

WD Green™ SATA SSD

For use in laptops and desktop computers, WD Green SATA 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 SATA solid state drives are compatible with most PCs. You can store with confidence thanks to the 3-year limited warranty[1], and get even more peace of mind and control by monitoring your storage with the free Western Digital® SSD Dashboard*.

Improved Performance for Everyday Computing

Enhance your system with a WD Green™ SATA 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 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™ SATA SSDs are built to be lightweight and shock-resistant to help keep your data protected from loss if there is an accidental bump or drop to your system. Combined with the comprehensive WD Functional Integrity Testing Labs (F.I.T. Lab™) certification, every WD Green SATA SSD is tested to ensure it meets the highest Western Digital standards for digital storage.

Less Power. More Play.

WD Green™ SATA 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™ SATA 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 SATA 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™ SATA SSD.

3-Year Limited Warranty[1]

With a 3-year limited warranty[1], you can be confident in your new storage when upgrading or replacing a drive with a WD Green™ SATA SSD.

*Available for download at http://support.wdc.com.

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WD Green™ SATA SSD

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Specifications

	2TB[2]	1TB[2]	480GB[2]	240GB[2]
Model Number[3]				
WD Green SATA SSD 2.5"/7mm cased	WDS200T2G0A	WDS100T3G0A	WDS480G3G0A	WDS240G3G0A
WD Green SATA SSD M.2 2280			WDS480G3G0B	WDS240G3G0B
Interface[4]				
WD Green SATA 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
WD Green SATA SSD M.2 2280			SATA III 6 Gb/s	SATA III 6 Gb/s
Performance[5] [4KB QD32]				
Sequential Read up to (MB/s)	545	545	545	545
Power				
Avg. Active Power (mW)[6]	90	80	60	60
Max Read Operating (mW)	2,700	2,800	1,700	1,700
Max Write Operating (mW)	3,100	2,800	1,700	1,700
Slumber (mW)	60	30	26	26
DEVSLP (mW)	15	15	10	10
Reliability				
MTTF[7]	Up to 1.0M hours	Up to 2.0M hours	Up to 2.0M hours	Up to 2.0M hours
Environmental				
Operating Temperatures	0°C to 70°C	0°C to 70°C	0°C to 70°C	0°C to 70°C
Non-operating Temperatures	-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
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
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
Certifications	FCC, UL, TUV, KC, BSMI, VCCI, CE, Morocco, RCM, UKCA	FCC, UL, TUV, KC, BSMI, VCCI, CE, Morocco, RCM, UKCA	FCC, UL, TUV, KC, BSMI, VCCI, CE, Morocco, RCM, UKCA	FCC, UL, TUV, KC, BSMI, VCCI, CE, Morocco, RCM, UKCA
Limited Warranty[1]	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
Size: M.2 2280			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	36.2g, ± 0.5g	36.2g, ± 0.5g
Weight: M.2 2280			5.10g, ± 0.5g	5.10g, ± 0.5g

Specifications are subject to change without notice

[1] See http://support.westerndigital.com for regional specific warranty details.

[2] 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.

[3] Not all products may be available in all regions of the world.

[4] Backward-compatible to SATA II and I.

[5] 1 MB/s = 1 million bytes per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors.

[6] Measured using the MobileMark™ 2014 benchmark with DIPM (Device Initiated Power Management) enabled (Power measurements at 23°C).

[7] MTTF = Mean Time To Failure based on internal testing using Telcordia stress part testing (Telcordia SR-332, GF, 25°C). MTTF is based on a sample population and is estimated by statistical measurements and acceleration algorithms. MTTF does not predict an individual drive's reliability and does not constitute a warranty.

Western Digital.

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