

WD Green (WDS100T5G0A-00CPT0)

WD Green - SSD - 1 TB - cased - internal - 2.5" - SATA 6Gb/s



WD Green hard drives are designed for use in systems that require cool and quiet operation, as secondary drives in PCs, for external enclosures and other applications for which low noise and low heat are beneficial. These earth-friendly hard drives are ideal for use whenever energy efficiency is needed.

Key Selling Points

Leading the way to green hard drives
Conflict-free materials
Halogen free
Reduced rare earths dependency
Cool and quiet
NoTouch ramp load technology

Product Features

Leading the way to green hard drives
WD led the industry in creating a category of hard drives that use less power and helps to reduce the world's energy demands one computer user at a time. With over 90 million WD Green drives sold customers using WD Green drives have saved the planet over 466 million kwh of power - nearly equaling the annual power production of a single coal power plant!

Conflict-free materials
As a leader in hard drive manufacturing, WD proudly guarantees hard drives are built with 100% conflict free raw materials.

Halogen free
In addition to being RoHS compliant, all WD Green drives are lead and halogen free, resulting in less pollutants getting into environment.

Reduced rare earths dependency
WD Green hard drives are built using less rare earth minerals. Reduced power consumption Best-in-class power management technology delivers significant power savings and solid performance.

Cool and quiet
WD GreenPower technology yields lower operating temperatures for increased reliability and low acoustics perfect for ultra-quiet PCs and external drives.

NoTouch ramp load technology
The recording head never touches the disk media ensuring significantly less wear to the recording head and media as well as better drive protection in transit.

IntelliSeek
Calculates optimum seek speeds to lower power consumption, noise and vibration.

Main specifications

Product Description	WD Green - SSD - 1 TB - cased - SATA 6Gb/s
Type	Solid state drive - internal
Capacity	1 TB
Form Factor	2.5"
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Features	3D NAND Technology
Dimensions (WxDxH)	69.85 mm x 100.5 mm x 7 mm
Weight	32.7 g
Manufacturer Warranty	3-year warranty

Extended specification

General

Device Type	Solid state drive - internal
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Capacity	1 TB
Form Factor	2.5"
Interface	SATA 6Gb/s
Features	3D NAND Technology
Width	69.85 mm
Depth	100.5 mm
Height	7 mm
Weight	32.7 g

Manufacturer Warranty

Service & Support	Limited warranty - 3 years
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Miscellaneous

Compliant Standards	BSMI, CB Scheme, CMIM, FCC, KC, RCM, TUV, UKCA, UL, VCCI
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Power

Power Consumption	55 mW (active) ¦ 1.55 Watt (max read) ¦ 1.585 Watt (max write) ¦ 23 mW (sleep) ¦ 11 mW (DevSleep)
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Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	70 °C
Min Storage Temperature	-55 °C
Max Storage Temperature	85 °C
Shock Tolerance (operating)	1500 g @ 0.5 ms half-sine
Vibration Tolerance (operating)	5 g @ 10-2000 Hz
Vibration Tolerance (non-operating)	4.9 g @ 7-800 Hz

Performance

Drive Transfer Rate	600 MBps (external)
Internal Data Rate	545 MBps

Reliability

MTBF	2,000,000 hours
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Expansion & Connectivity

Interfaces	1 x SATA 6 Gb/s
Compatible Bay	2.5"

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