



# WD BLACK<sup>2</sup><sub>TM</sub>

## Dual Drive

Introducing the WD Black<sup>2</sup> dual drive, a revolutionary storage device that is specifically designed for the modern enthusiast whether you are a creative pro, gamer or PC builder. WD Black<sup>2</sup> is the fusion of a fully accessible solid-state drive for your operating system and a generous capacity hard drive for personal data and large files. It is the must-have upgrade solution for your single drive PC, fueled by the power of two and inspired by you.



### INTERFACE

SATA 6 Gb/s

### WIDTH/HEIGHT

2.75 in./0.374 in.  
69.85 mm/9.5 mm

### CAPACITY

120 GB SSD + 1 TB HDD

### MODEL NUMBER

WD1001X06XDTL

*Note:* Not all products may be available in all regions of the world.

## Product Features

### The power of two

WD has redefined the PC with the next big thing in ultra-fast performance storage. The WD Black<sup>2</sup> dual drive is an evolutionary approach to a compromised solid-state and hybrid storage market. It is the must-have upgrade solution for your single drive PC, fueled by the power of two and inspired by you.

### Inspired by you

Your requests to make PC life better, faster and more fun have been heard. We took the challenge and made it our mission to design a solution that delivers the ultimate PC experience. The WD Black<sup>2</sup> dual drive solves your storage limitations and adds true high-performance SSD speed to your PC. The WD Black<sup>2</sup> dual drive is the drive you were waiting for, inspired by and created specifically for enthusiasts like you.

### Massive mobile capacity

The WD Black<sup>2</sup> dual drive offers a lower cost-per-gigabyte advantage over the solid-state competition. With a generous 1 TB capacity hard drive, WD Black<sup>2</sup> also features a fully accessible 120 GB solid-state drive. The result is the world's first 2.5-inch dual drive storage solution.

### Professional performance

WD Black<sup>2</sup> is built by fusing two world-class storage devices together into one dual drive to create the ultimate PC experience. Boot up faster to your operating system with the speed of SSD at your fingertips. WD Black<sup>2</sup> features innovative 20nm NAND flash with remarkable power efficiency that are poised to redefine what is possible in the storage industry. SSD performance can degrade when total capacities are reached, which is a major concern for SSD users. We built our dual drive solution to solve this problem. You can move your larger data onto the 1 TB hard drive, ultimately extending the life of the MLC NAND and maintaining optimal performance. It's just what you've been asking for and it's finally here.

### Compatible

Our revolutionary WD Black<sup>2</sup> dual drive is designed for use in most 9.5 mm 2.5-inch drive bays.

### Shift Technology™

WD Black<sup>2</sup> Shift Technology is race-ready from the starting line with enhanced firmware and improved algorithms for faster performance and data management. This allows you to migrate larger data files to the hard drive and provides your SSD with less system drag, which increases the overall endurance and mileage of the SSD. With less caching involved, there's less time waiting and more time enjoying the things you love to do most.

### Finesse of perfection

WD Black<sup>2</sup> combines agility and reliability in an evolutionary dual drive form factor. Advanced firmware and intelligent algorithms assist in heightened performance, resulting in cooler temperatures with nearly inaudible operation.

### You take the control

With WD Black<sup>2</sup> the decision is yours. Safer than using an SSD as your only primary storage device, now you are enabled to save your data on the 1 TB hard drive, or split data between both. Duplicate the data of your SSD onto the hard drive and remove the need for large cloud storage or expensive third party plans. Take full control and manage the location of your personal data.

### Industry-leading 5-year limited warranty

Relentlessly dedicated to your data, the WD Black<sup>2</sup> dual drive carries the same industry-leading 5-year limited warranty as WD's other performance storage drives. WD Black<sup>2</sup> drives are a reflection of the innovation and passion of our engineers, and they undergo more strenuous and aggressive testing over a longer period of time than conventional storage options.

## Applications

- Video and photo editing, graphic design, and other power computing applications.
- WD Black<sup>2</sup> dual drives are tested and recommended for use in notebooks, all-in-one PCs, thin client PCs, gaming PCs and other small form factor PC systems.\*

\* WD dual drives are designed and tested for use in specific applications and environments. This ensures that your dual drive is compatible with and functions properly in your application. Our dual drives are warranted against defects in materials and workmanship in the system for which they were designed. Use in systems other than for what the dual drive was designed could result in compatibility problems that affect proper function, unrelated to material and/or workmanship defects. For best results, be sure to select the appropriate product for your application by consulting our product spec sheets on our website at [www.wd.com](http://www.wd.com) or by calling our customer support line where we would be happy to help you through the selection process.



Specifications <sup>1</sup>	120 GB SSD + 1 TB HDD
Model number	WD1001X06XDTL
Interface	SATA 6 Gb/s
Form factor	2.5-inch
Advanced Format (AF)	Yes
RoHS compliant <sup>2</sup>	Yes
<b>Performance (SSD)</b>	
Data transfer rates	
Interface speed	6 Gb/s
Internal transfer rate (read, max)	350 MB/s
Internal transfer rate (write, max)	140 MB/s
<b>Reliability/Data Integrity</b>	
Load/unload cycles <sup>3</sup>	600,000
Non-recoverable read errors per bits read	<1 in 10 <sup>14</sup>
Limited warranty (years) <sup>4</sup>	5
<b>Power Management</b>	
Average power requirements (W)	
Read/Write	1.8
Idle	0.9
Standby/Sleep	0.9
<b>Environmental Specifications<sup>5</sup></b>	
Temperature (°C)	
Operating	0 to 60
Non-operating	-40 to 70
Shock (Gs)	
Operating (2 ms, write)	30
Operating (2 ms, read)	65
Non-operating (2 ms)	350
Acoustics (dBA) <sup>6</sup>	
Idle	20
Seek (average)	21
<b>Physical Dimensions</b>	
Height (in./mm, max)	0.374/9.50
Length (in./mm, max)	3.95/100.30
Width (in./mm, ± .01 in.)	2.75/69.85
Weight (lb./kg, ± 10%)	0.28/0.125

<sup>1</sup> 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](http://www.sata-io.org) for details.

<sup>2</sup> WD hard drive products manufactured and sold worldwide after June 8, 2011, meet or exceed Restriction of Hazardous Substances (RoHS) compliance requirements as mandated by the RoHS Directive 2011/65/EU.

<sup>3</sup> Controlled unload at ambient condition.

<sup>4</sup> For additional warranty terms and conditions, visit <http://support.wd.com/warranty> for details.

<sup>5</sup> No non-recoverable errors during operating tests or after non-operating tests.

<sup>6</sup> Sound power level.

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Learn more about WD Black<sup>2</sup> dual drives



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