



WD Black™

Mobile Hard Drives

WD Black™ hard drives are designed for enthusiasts and creative professionals looking for leading-edge performance. These 2.5-inch mobile drives are perfect for high-performance applications like photo and video editing, gaming and power PCs.



INTERFACE	FORM FACTOR	HEIGHT	PERFORMANCE CLASS	CAPACITIES
SATA 6 Gb/s	2.5-inch	7 mm to 9.5 mm	7200 RPM Class	250GB to 1TB

MODEL NUMBERS

WD10JPLX WD2500LPLX
WD7500BPKX
WD5000LPLX
WD5000BPKX
WD3200LPLX

Product Features

Great Things Come in Small Packages

WD Black™ Mobile Hard Drives are designed to enhance your PC experience, whether at home in your new all-in-one desktop, or on-the-go in your trusty notebook. With up to 1TB of storage running at 7200 RPM, you get one of the fastest high-capacity mobile hard drive available in the world today, offering the perfect storage solution for a digital artist, video editor, photographer, or gamer. Backed by an industry leading 5-year limited warranty, WD Black™ Mobile

Hard Drives combine performance and capacity with the reliability of a brand you can trust.

For Creative Professionals

Give yourself the room to bring your enormous digital portfolio wherever you're at with WD Black™ Mobile Hard Drives. With up to 1TB of 7200 RPM high-performance storage, WD Black™ Mobile Hard Drives give you the power to create while on the go, so you can offload, edit, and shoot without fear of running out of space anytime soon.

For Gamers

WD Black™ Mobile Hard Drives offer the perfect storage solution for your gaming rig. WD Black™ Mobile Hard Drives are purpose-built and tested to ensure they can handle the high-performance tasks you need. With up to 1TB of capacity, you get the space you need for your game's downloadable content, larger cache sizes for faster load times, and 7200 RPM for desktop-level performance.

Industry-leading warranty

WD Black™ Mobile Hard Drives are tested under more strenuous conditions over a longer period when compared to our standard hard drives. This comprehensive testing ensures an overall quality benchmark for a stable, high performance storage solution backed by an industry leading 5-year limited warranty.

Applications

- WD Black™ Mobile Hard Drives are performance-tested for use in PCs, Mac, notebook PCs, commercial notebooks, All-in-One PCs, small form factor PCs, and gaming consoles.*

* WD hard drives are designed and tested for use in specific applications and environments. This ensures that your hard drive is compatible with and functions properly in your application. Our hard 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 hard 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.wdc.com or by calling our customer support line where we would be happy to help you through the selection process.

The WD Advantage

WD puts our products through extensive Functional Integrity Testing (F.I.T.) prior to any product launch. This testing ensures our products consistently meet the quality and reliability standards of the WD brand. WD also has a detailed Knowledge Base with more than 1,000 helpful articles as well as helpful software and utilities. Our toll-free customer support lines are here to help or you can access our WD Support site for additional details.



WD Black™

Specifications	1TB	750GB	500GB	500GB	320GB	250GB
Model number ¹	WD10JPLX	WD7500BPKX	WD5000LPLX	WD5000BPKX	WD3200LPLX	WD2500LPLX
Interface	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
Formatted capacity ²	1,000,204MB	750,156MB	500,107MB	500,107MB	320,072MB	250,059MB
User sectors per drive	1,953,525,168	1,465,149,168	976,773,168	976,773,168	625,142,448	488,397,168
Form factor	2.5-inch	2.5-inch	2.5-inch	2.5-inch	2.5-inch	2.5-inch
Advanced Format (AF)	Yes	Yes	Yes	Yes	Yes	Yes
RoHS compliant ³	Yes	Yes	Yes	Yes	Yes	Yes
Performance						
Data transfer rate						
Interface speed	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Cache (MB)	32	16	32	16	32	32
Performance Class	7200 RPM Class	7200 RPM Class	7200 RPM Class	7200 RPM Class	7200 RPM Class	7200 RPM Class
Average drive ready time (sec)	3.5	3.2	3.8	3.2	3.8	3.8
Reliability/Data Integrity						
Load/unload cycles ⁴	600,000	600,000	600,000	600,000	600,000	600,000
Non-recoverable read errors per bits read	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴
Limited warranty (years) ⁵	5	5	5	5	5	5
Power Management						
5VDC ±10% (A, peak)	1.1	1.15	1.07	1.15	1.07	1.07
Average power requirements (W)						
Read/Write	1.8	1.75	2.0	1.75	2.0	2.0
Idle	0.8	0.8	0.85	0.8	0.85	0.85
Standby/Sleep	0.2	0.2	0.25	0.2	0.25	0.25
Environmental Specifications⁶						
Temperature (°C)						
Operating	0 to 60	0 to 60	0 to 60	0 to 60	0 to 60	0 to 60
Non-operating	-40 to 65	-40 to 65	-40 to 65	-40 to 65	-40 to 65	-40 to 65
Shock (Gs)						
Operating (2 ms)	400	350	400	350	400	400
Non-operating (2 ms)	1000	1000	1000	1000	1000	1000
Acoustics (dBA) ⁷						
Idle	25	28	23	28	23	23
Seek (average)	27	28	25	28	25	25
Physical Dimensions						
Height (in./mm)	0.374/9.50	0.374/9.50	0.28/7.0	0.374/9.50	0.28/7.0	0.28/7.0
Length (in./mm)	3.94/100.20	3.94/100.20	3.94/100.20	3.94/100.20	3.94/100.20	3.94/100.20
Width (in./mm)	2.75/69.85	2.75/69.85	2.75/69.85	2.75/69.85	2.75/69.85	2.75/69.85
Weight (lb./kg, ± 10%)	0.25/0.115	0.25/0.115	0.20/0.92	0.25/0.115	0.20/0.92	0.20/0.92

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

² 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 for details.

³ 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.

⁴ Controlled unload at ambient condition.

⁵ WD Black limited warranty is region specific. Visit <http://support.wd.com/warranty> for details.

⁶ No non-recoverable errors during operating tests or after non-operating tests.

⁷ Sound power level.

Western Digital
3355 Michelson Drive, Suite 100
Irvine, California 92612
U.S.A.

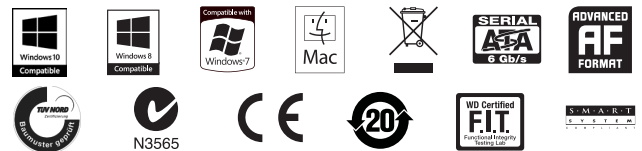
For service and literature:

<http://support.wd.com>
www.wd.com

800.ASK.4WD (800.275.4932)
800.832.4778
+86.21.2603.7560
00800.27549338
+31.880062100

North America
Spanish
Asia Pacific
Europe
(toll free where available)
Europe/Middle East/Africa

Learn more about WD Black Mobile hard drives



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

Western Digital, WD, and the WD logo are registered trademarks and WD Black and FIT Lab are trademarks of Western Digital Technologies, Inc. in the U.S. and/or other countries. Other marks may be mentioned herein that belong to other companies. Picture shown may vary from actual product. Product specifications subject to change without notice.

© 2016 Western Digital Technologies, Inc. All rights reserved.

2879-771435-A06 Apr 2016