



Highlights

- Storage built to Western Digital's high standards of quality and reliability
- Manufactured with Western Digital's award-winning desktop and mobile hard drive technology
- Available in a broad range of capacities[1]
- Tested in our F.I.T. Lab™ for ultimate compatibility
- Free Acronis™ True Image™ WD Edition software available for download

WD™ Blue 2.5-inch PC HDD

Western Digital Quality

Built to the high standards of quality and reliability of the WD brand, these drives offer the features and capacity ideal for everyday computing needs.

The Original

WD Blue 2.5-inch PC Hard Drives are designed and manufactured with the proven technology found in WD's original award-winning hard drives.

Compatible

Our latest generation of 7 mm 2.5-inch mobile drives is designed for thin and light mobile applications, and is also compatible with most standard 9.5 mm bays.

SATA 6 Gb/s Interface

Safely positions the recording head off the disk surface to protect your data.

Low Power Consumption

State-of-the-art seeking algorithms and advanced power management features help ensure low power consumption.

Quiet

In a notebook drive, silence is golden. Western Digital's exclusive noise reducing technologies yield some of the quietest 2.5-inch hard drives on the market.

Upgrading Your Drive is Easy

Acronis™ True Image™ Western Digital Edition software is available as a free download on the Western Digital Support site enabling you to copy all your data to a new drive. You don't have to reinstall your operating system to get all the benefits of a new drive.

WD Blue™ 2.5-inch PC HDD

Specifications

	2TB	1TB	500GB	320GB	320GB
Model Number[1]	WD20SPZX	WD10SPZX	WD5000LPZX	WD3200LPCX	WD3200LPVX
Recording Technology[2]	SMR	SMR	SMR	CMR	CMR
Formatted capacity[3]	2TB	1TB	500GB	320GB	320GB
Form factor	2.5-inch	2.5-inch	2.5-inch	2.5-inch	2.5-inch
Advanced Format (AF)	Yes	Yes	Yes	Yes	Yes
RoHS compliant[4]	Yes	Yes	Yes	Yes	Yes
Performance					
Interface transfer rate (max)[5] Buffer to host	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Host to/from drive (sustained)	149 MB/s (max.)	150 MB/s (max.)	150 MB/s (max.)	147 MB/s (max.)	147 MB/s (max.)
Cache (MB)	128	128	128	16	8
Performance Class	5400 RPM	5400 RPM	5400 RPM	5400 RPM	5400 RPM
Reliability/Data Integrity					
Load/unload cycles[6]	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}
Limited warranty (years)[7]	2	2	2	2	2
Power Management[8]					
Average power requirements (W)					
Read/Write	1.7	1.5	1.5	1.4	1.4
Idle	0.5	0.5	0.5	0.55	0.55
Standby and Sleep	0.1	0.1	0.1	0.16	0.13
Environmental Specifications					
Temperature (°C)					
Operating	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
Acoustics (dBA)					
Idle	23	19	19	17	17
Seek (average)	24	21	21	22	22
Physical Dimensions					
Height (in./mm, max)	0.28/7.0	0.28/7.0	0.28/7.0	0.27/6.8	0.27/6.8
Length (in./mm, max)	3.94/100.20	3.94/100.20	3.94/100.20	3.94/100.20	3.94/100.20
Width (in./mm, ± .01 in.)	2.75/69.85	2.75/69.85	2.75/69.85	2.75/69.85	2.75/69.85
Weight (lb/kg, ± 10%)	0.20/0.09	0.20/0.09	0.20/0.09	0.20/0.09	0.20/0.09

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

[2] Implementation of SMR for the following products using SMR recording technology is device-managed SMR.

[3] As used for storage capacity, one gigabyte (GB) = one billion bytes and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment.

[4] This drive is in compliance with the European Union Directive 2011/65/EU and Directive (EU) 2015/863 on the restriction of the use of certain hazardous substances (RoHS) in electrical and electronic equipment.

[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] Controlled unload at ambient condition.

[7] The term of the limited warranty depends on the country in which the Product was purchased. Visit our website at http://support.wdc.com/warranty/policy.asp for the detailed terms and conditions of our limited warranty and for a list of the specific countries in these regions.

[8] Power measurements at room-ambient temperature.

Western Digital.

5601 Great Oaks Parkway
San Jose, CA 95119, USA
www.westerndigital.com

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