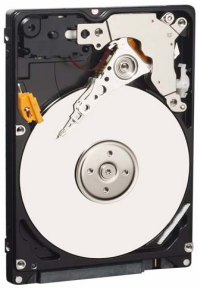
WD Scorpio® Blue™
Mobile Hard Drives

Big capacity for performance computing



WD Scorpio Blue

Interface

SATA or EIDE

Width/Height

2.75 in./0.37 in.
69.85 mm/9.5 mm

Rotational Speed

5400 RPM

Capacities

40 to 320 GB

Model Numbers

SATA Drives	EIDE Drives
WD3200BEVT	WD2500BEVE
WD2500BEVS	WD1600BEVE
WD1600BEVS	WD1200BEVE
WD1200BEVS	WD800BEVE
WD800BEVS	WD600BEVE
WD600BEVS	
WD400BEVS	

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

To make drive selection simple, we've gathered all our popular 5400 RPM WD Scorpio drives under one umbrella we call WD Scorpio Blue. Built to Western Digital's awarding winning quality standards, these drives are available in a full range of performance features.

Product Features

Massive capacity — Whether they are in an external drive or a notebook computer, 320 GB WD Scorpio Blue 2.5-inch drives offer the most available capacity for space-hungry operating systems like Windows Vista™, plus plenty of room left over for photos, music, and video.

Quiet — In a notebook drive, silence is golden. WD's exclusive WhisperDrive™ combines state-of-the-art seeking algorithms to yield one of the quietest 2.5-inch hard drives on the market. These algorithms also optimize the way a drive seeks for data, which significantly improves power consumption. So now silence (and longer battery life) is golden.

Reliable and Rugged — WD's ShockGuard™ technology protects the drive mechanics and platter surfaces from shocks. WD's SecurePark™ parks the recording heads off the disk surface during spin up, spin down and when the drive is off. This ensures the recording head never touches the disk surface resulting in improved long-term reliability due to less head wear and improved non-operational shock tolerance.

Fast and efficient — With 5400 RPM spin speed, 12 ms access time, and up to 3 Gb/s SATA interface speed, even the most demanding customer will appreciate the performance achieved by WD Scorpio Blue drives.

Tested for Compatibility — We perform tests on hundreds of systems and a multitude of platforms in our FIT Lab™ and Mobile Compatibility Lab to give our customers confidence that our drives will work in their systems.

WD Scorpio Blue is part of WD's complete lineup of mobile hard drives.

WD Scorpio® Black™
Desktop-class performance for notebook computers.

WD Scorpio® Blue™
Big capacity for performance computing.

Western Digital®

PUT YOUR LIFE ON IT®

WD Scorpio Blue
Mobile Hard Drives

WD Scorpio Blue

Drive Specifications

	40 GB	60 GB	80 GB	120 GB	160 GB	250 GB	320 GB
Formatted capacity[1]	40,020 MB	60,022 MB	80,026 MB	120,034 MB	160,041 MB	250,059 MB	320,072 MB
User sectors per drive	78,140,160	117,210,240	156,301,488	234,441,648	312,581,808	488,397,168	625,142,448
WD model number							
SATA	WD400BEVS	WD600BEVS	WD800BEVS	WD1200BEVS	WD1600BEVS	WD2500BEVS	WD3200BEVT
EIDE		WD600BEVE	WD800BEVE	WD1200BEVE	WD1600BEVE	WD2500BEVE	

SATA Hard Drives

Bytes per sector (STD)	512
Form factor	2.5-inch
Interface	SATA 1.5 Gb/s
Interface (320 GB only)	SATA 3 Gb/s
RoHS compliant[2]	Yes

EIDE Hard Drives

Bytes per sector (STD)	512
Form factor	2.5-inch
Interface	44-pin EIDE
RoHS compliant[2]	Yes

Performance Specifications

SATA Hard Drives

Average latency	5.5 ms
Cache	
Read	Adaptive
Write	Yes
Data transfer rate	
Buffer to disk	933 Mbits/s (maximum)[3]
Buffer to host	1.5 Gb/s (maximum)
Buffer to host (320 GB only)	3 Gb/s (maximum)
Drive ready time	4.0 sec (average)
Error rate (non-recoverable)	<1 in 10^{14} bits read
Rotational speed	5400 RPM
Load/unload cycles[5]	600,000

EIDE Hard Drives

Average latency	5.5 ms
Cache	
Read	Adaptive
Write	Yes
Data transfer rate (buffer to host)	
Mode 5 Ultra ATA[4]	100 MB/s
Mode 4 Ultra ATA[4]	66.6 MB/s
Mode 2 Ultra ATA[4]	33.3 MB/s
Mode 2 Ultra DMA[4]	16.6 MB/s
Mode 4 Ultra PIO[4]	16.6 MB/s
Buffer to disk	600 Mbits/s (maximum)
Drive ready time	4.0 sec (average)
Error rate (non-recoverable)	<1 in 10^{14} bits read
Rotational speed	5400 RPM
Load/unload cycles[5]	600,000

Limited Warranty[6]

Limited warranty	3 years

[1] *One gigabyte (GB) = 1,000,000,000 bytes. Total accessible capacity varies depending on operating environment.*

[2] *WD complies with the Restriction of Hazardous Substances (RoHS) Directive 2002/95/EC of the European Parliament, which is effective in the EU beginning July 1, 2006. RoHS aims to protect human health and the environment by restricting the use of certain hazardous substances in new equipment, and consists of restrictions on lead, mercury, cadmium, and other substances.*

[3] *Buffer to disk transfer rate for ML160 WDxxxxBEVS drives. WDxxxxBEVS ML125 drives have a buffer to disk transfer rate of 850 Mbits/s max. ML80 WDxxxxBEVS/BEVE drives have a buffer to disk transfer rate of 600 Mbits/s max.*

[4] *Maximum burst rate running the specified PIO, DMA, or Ultra ATA transfer mode.*

[5] *Controlled unload at ambient condition.*

[6] *The term of the limited warranty may vary by region. Visit support.wdc.com/warranty for details.*

For service and literature:

support.wdc.com
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