



# WD Scorpio® Blue™

## Mobile Hard Drives

Big capacity for portable computing



### Interface

SATA or EIDE

### Width/Height

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

### Rotational Speed

5400 RPM

### Capacities

80 to 500 GB

### Model Numbers

#### SATA Drives

WD5000BEVT  
WD4000BEVT  
WD3200BEVT  
WD2500BEVT  
WD1600BEVT  
WD1200BEVT  
WD800BEVT  
WD2500BEVS  
WD1600BEVS  
WD1200BEVS  
WD800BEVS

#### EIDE Drives

WD3200BEVE  
WD2500BEVE  
WD1600BEVE  
WD1200BEVE  
WD800BEVE

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, 500 GB WD Scorpio Blue 2.5-inch drives offer the most available capacity for space-hungry operating systems like Windows Vista®, with 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 portable computing.



PUT YOUR LIFE ON IT®

# WD Scorpio Blue

## Mobile Hard Drives

### Drive Specifications<sup>1</sup>

	80 GB	120 GB	160 GB	250 GB	320 GB	400 GB	500 GB
Formatted capacity	80,026 MB	120,034 MB	160,041 MB	250,059 MB	320,072 MB	400,088 MB	500,107 MB
User sectors per drive	156,301,488	234,441,648	312,581,808	488,397,168	625,142,448	781,422,768	976,773,168
WD model number							
SATA	WD800BEVS	WD1200BEVS	WD1600BEVS	WD2500BEVS	WD3200BEVT	WD4000BEVT	WD5000BEVT
EIDE	WD800BEVE	WD1200BEVE	WD1600BEVE	WD2500BEVE	WD3200BEVE		



### SATA Hard Drives

Bytes per sector (STD)	512
Form factor	2.5-inch
Interface (WDxxxBEVS)	SATA 1.5 Gb/s
Interface (WDxxxBEVT)	SATA 3 Gb/s
RoHS compliant <sup>2</sup>	Yes

### EIDE Hard Drives

Bytes per sector (STD)	512
Form factor	2.5-inch
Interface (WDxxxBEVE)	44-pin EIDE
RoHS compliant <sup>2</sup>	Yes

### Performance Specifications

#### SATA Hard Drives

Average latency	5.5 ms
Cache	
Buffer	8 MB
Read	Adaptive
Write	Yes
Data transfer rate	
Host to/from drive	106 MB/s (maximum) <sup>3</sup>
Buffer to host (WDxxxBEVS)	1.5 Gb/s (maximum)
Buffer to host (WDxxxBEVT)	3 Gb/s (maximum)
Drive ready time	4.0 sec (average)
Error rate (non-recoverable)	< 1 in 10 <sup>14</sup> bits read
Rotational speed	5400 RPM
Load/unload cycles <sup>5</sup>	600,000

#### EIDE Hard Drives

Average latency	5.5 ms
Cache	
Buffer	8 MB
Read	Adaptive
Write	Yes
Data transfer rate (buffer to host)	
Mode 6 Ultra ATA <sup>4</sup>	133 MB/s
Mode 5 Ultra ATA <sup>4</sup>	100 MB/s
Mode 4 Ultra ATA <sup>4</sup>	66.6 MB/s
Mode 2 Ultra ATA <sup>4</sup>	33.3 MB/s
Mode 2 Ultra DMA <sup>4</sup>	16.6 MB/s
Mode 4 Ultra PIO <sup>5</sup>	16.6 MB/s
Host to/from drive <sup>7</sup>	106 MB/s max
Drive ready time	4.0 sec (average)
Error rate (non-recoverable)	< 1 in 10 <sup>14</sup> bits read
Rotational speed	5400 RPM
Load/unload cycles <sup>5</sup>	600,000

### Limited Warranty<sup>6</sup>

Limited warranty	3 years
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### For service and literature:

[support.wdc.com](http://support.wdc.com)

[www.westerndigital.com](http://www.westerndigital.com)

800.ASK.4WDC North America  
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 +800.6008.6008 Asia Pacific  
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<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 3.0 Gb/s or SATA 1.5 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 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.

<sup>3</sup> Buffer to disk transfer rate for ML250M WDxxxBEVT drives.

<sup>4</sup> Maximum burst rate running the specified PIO, DMA, or Ultra ATA transfer mode.

<sup>5</sup> Controlled unload at ambient condition.

<sup>6</sup> The term of the limited warranty may vary by region. Visit [support.wdc.com/warranty](http://support.wdc.com/warranty) for details.

<sup>7</sup> Buffer to disk transfer rate for ML160M WDxxxBEVE drives.