



WD Scorpio® Blue™ Mobile Hard Drives

Big capacity for
portable computing



Interface

SATA or PATA

Capacities

80 GB to 1 TB

Model Numbers

SATA Drives

WD10TEVT
WD7500KEVT
WD6400BEVT
WD5000BEVT
WD4000BEVT
WD3200BEVT
WD2500BEVT
WD1600BEVT
WD1200BEVT
WD800BEVT
WD1600BEVS
WD800BEVS

PATA Drives

WD3200BEVE
WD2500BEVE
WD1600BEVE
WD1200BEVE
WD800BEVE

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

With available SATA or PATA interfaces, WD Scorpio Blue drives offer high-performance, low power consumption, and cool operation, perfect for notebooks and other portable devices. Pick the drive that suits your needs with the confidence in knowing that all WD Scorpio Blue drives are built to the highest standards of quality and reliability.

Product Features

Massive capacity – Whether they are in an external drive or a notebook computer, WD Scorpio Blue SATA drives continue to offer the highest capacity for space-hungry operating systems with plenty of room left over for photos, music, and video. A slight increase in overall drive height (750 GB and 1 TB only) has driven storage capacity for 2.5-inch form factor drives upwards to a realm once thought to be impossible.*

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 – Ultra-fast 3 Gb/s SATA interface speed yields performance fit for demanding mobile applications.

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.

* 750 GB and 1 TB models are 12.5 mm high and may not be compatible with all notebook systems. Consult system specifications for maximum allowable drive height before attempting to install.

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.

WD Scorpio Blue

Mobile Hard Drives

Drive Specifications¹

	1 TB	750 GB	640 GB	500 GB	400 GB
Formatted capacity	1,000,204 MB	750,156 MB	640,135 MB	500,107 MB	400,088 MB
User sectors per drive	1,953,525,168	1,465,149,168	1,250,263,728	976,773,168	781,422,768
Drive height ²	12.5 mm/0.49 in.	12.5 mm/0.49 in.	9.5 mm/0.37 in.	9.5 mm/0.37 in.	9.5 mm/0.37 in.
WD model number	WD10TEVT	WD7500KEVT	WD6400BEVT	WD5000BEVT	WD4000BEVT

	320 GB	250 GB	160 GB	120 GB	80 GB
Formatted capacity	320,072 MB	250,059 MB	160,041 MB	120,034 MB	80,026 MB
User sectors per drive	625,142,448	488,397,168	312,581,808	234,441,648	156,301,488
Drive height	9.5 mm/0.37 in.	9.5 mm/0.37 in.	9.5 mm/0.37 in.	9.5 mm/0.37 in.	9.5 mm/0.37 in.
WD model number					
SATA	WD3200BEVT	WD2500BEVT	WD1600BEVS	WD1200BEVT	WD800BEVS
PATA	WD3200BEVE	WD2500BEVE	WD1600BEVE	WD1200BEVE	WD800BEVE

SATA Hard Drives

Bytes per sector (STD)	512
Form factor	2.5-inch
Interface (WDxxxxBEVS)	SATA 1.5 Gb/s
Interface (WDxxxxBEVT, WD7500KEVT, WD10TEVT)	SATA 3 Gb/s
RoHS compliant ³	Yes

PATA Hard Drives

Bytes per sector (STD)	512
Form factor	2.5-inch
Interface (WDxxxxBEVE)	44-pin PATA
RoHS compliant ³	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	97 MB/s (maximum) ⁴
Buffer to host (WDxxxxBEVS)	1.5 Gb/s (maximum)
Buffer to host (WDxxxxBEVT, WD7500KEVT, WD10TEVT)	3 Gb/s (maximum)
Error rate (non-recoverable)	<1 in 10 ¹⁴ bits read
Rotational speed (80 GB-640 GB models)	5400 RPM
Rotational speed (750 GB-1 TB models)	5200 RPM
Load/unload cycles ⁵	600,000

PATA 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 ⁵	133 MB/s
Mode 5 Ultra ATA ⁵	100 MB/s
Mode 4 Ultra ATA ⁵	66.6 MB/s
Mode 2 Ultra ATA ⁵	33.3 MB/s
Mode 2 Ultra DMA ⁵	16.6 MB/s
Mode 4 Ultra PIO ⁵	16.6 MB/s
Host to/from drive ⁸	106 MB/s max
Error rate (non-recoverable)	<1 in 10 ¹⁴ bits read
Rotational speed	5400 RPM
Load/unload cycles ⁵	600,000

Limited Warranty⁷

Limited warranty	3 years
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¹ 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 for details.

² 750 GB and 1 TB models are 12.5 mm high and may not be compatible with all notebook systems. Consult system specifications for maximum allowable drive height before attempting to install.

³ 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.

⁴ Buffer to disk transfer rate for MT333M drives.

⁵ Maximum burst rate running the specified PIO, DMA, or Ultra ATA transfer mode.

⁶ Controlled unload at ambient condition.

⁷ The term of the limited warranty may vary by region. Visit support.wdc.com/warranty for details.

⁸ Buffer to disk transfer rate for ML160M WDxxxxBEVE drives.



For service and literature:

support.wdc.com

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