

WD VelociRaptor™ SATA Hard Drives

Killer Speed
Rock-solid Reliability
5-year Limited Warranty



Interface

SATA 3 Gb/s

Width/Height

3.5-inch/1-inch

Rotational Speed

10,000 RPM

Capacities

300 GB

Model Numbers

WD3000GLFS

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

Engineered for maximum speed! WD VelociRaptor, the newest member of our unique class of 10,000 RPM SATA hard drives, combines a SATA 3 Gb/s interface and 16 MB cache, to deliver performance that's up to 35% faster than its speedy older brother, the WD Raptor®.

Product Benefits

Killer Speed – Built on the performance bloodlines of WD Raptor, these 10,000 RPM drives, with SATA 3 Gb/s interface and 16 MB cache, deliver mind-bending performance. Not only are they 35% faster than the previous generation of WD Raptor drives, but they also beat out all other competitors in the field.

Rock-solid Reliability – Designed and manufactured to mission-critical enterprise-class standards to provide enterprise reliability in high duty cycle environments. With 1.4 million hours MTBF, these drives have the highest available reliability rating on a high-capacity SATA drive.

Double the Capacity – State-of-the-art technology packs twice the capacity per disk compared to its older brother WD Raptor, resulting in 300 GB of high-performance storage space in this enterprise-class drive.

IcePack™ Mounting Frame – The 2.5-inch WD VelociRaptor is enclosed in a 3.5-inch mounting frame with a built-in heat sink that keeps this powerful little drive extra cool when installed in a 3.5-inch drive bay.

Rotary Acceleration Feed Forward (RAFF™) – Optimizes operation and performance when the drives are used in vibration-prone, multi-drive chassis.

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 and increased drive protection when the chassis is moved.

The WD Promise



WD understands the importance of the information you save to your hard drive and we are committed to protecting that data with exceptionally reliable products, advanced data protection technology, and superior customer support. No one does more to safeguard your data than WD.

WD VelociRaptor

SATA Hard Drives

Physical Specifications

	300 GB
Formatted capacity ¹	300,069 MB
User sectors per drive	586,072,368
WD model number	WD3000GLFS
SATA latching connector	Yes
Bytes per sector (STD)	512
Form factor	3.5-inch*
Interface	SATA 3 Gb/s
RoHS compliant ²	Yes



Performance Specifications

Average latency	5.5 ms
Buffer	16 MB
Cache	
Read	Adaptive
Write	Yes
Data transfer rate (buffer to host)	3 Gb/s (maximum) ³
Drive ready time	7.0 sec (average), 10 sec (maximum)
Error rate (non-recoverable)	< 1 in 10 ¹⁵ bits read
LBA support	Yes
Rotational speed	10,000 RPM
Seek time	
Read	4.2 ms (average)
Write	4.7 ms (average)
Track-to-track seek time	0.7 (maximum)
Load/unload cycles	50,000 minimum
Limited warranty ⁴	5-year



*A 2.5-inch drive in a 3.5-inch IcePack heat sink mounting frame.

For service and literature:

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¹One gigabyte (GB) = one billion bytes. One terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment.

²WD products manufactured and sold worldwide after August 1, 2005, meet or exceed Restriction of Hazardous Substances (RoHS) compliance requirements as mandated by the European Union for electrical and electronic products. The RoHS Directive 2002/95/EC of the European Parliament, which is effective in the EU beginning July 1, 2006, 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.

³Maximum burst rate running the specified SATA transfer mode.

⁴Standard five-year limited warranty, unless otherwise required by law. For extended warranty information, visit our Web site at support.wdc.com.