



WD VelociRaptor®

Workstation Hard Drives

1 TB of high-performance storage for power users.

Ultra fast

Rock-solid reliability

High capacity



WD VelociRaptor drives offer an unmatched combination of high performance and high reliability, perfect for workstations, high-end video and photo editing, low-end servers and performance enthusiasts' systems.



PUT YOUR LIFE ON IT®



WD VelociRaptor

Workstation Hard Drives



Product Features

Ultra fast

Designed around a 10,000 RPM spin speed, these SATA 6 Gb/s drives include a 64 MB cache and deliver the ultimate in performance for photo and video editing.

Rock-solid reliability

With 1.4 million hours MTBF, these drives have the highest available reliability rating on a high capacity SATA drive.

High capacity

State-of-the-art technology delivers a balance of high performance and high capacity perfect for data-intensive workloads that require large amounts of storage such as video editing, 3D rendering and scientific modeling.

Ultra-cool operation

Consumes less idle power and uses similar active power as the previous generation WD VelociRaptor, while offering higher capacity and performance.

Advanced Format (AF)

Technology adopted by WD and other drive manufacturers as one of multiple ways to continue growing hard drive capacities. AF is a more efficient media format that enables increased areal densities.

IcePack™ mounting frame

The 2.5-inch hard drive is enclosed in a backplane-ready 3.5-inch mounting frame with a built-in heat sink that keeps this powerful little drive extra cool when installed in high-performance desktop chassis.

NoTouch™ ramp load technology

The recording head never touches the disk media ensuring significantly less wear to the recording head and media as well as better drive protection in transit.

Pre-emptive Wear Leveling (PWL)

Ensures reliability for applications that perform a high incidence of read/write operations at the same physical location on the disk.

Rotary Acceleration Feed Forward (RAFF™)

Optimizes operation and performance when the drives are used in vibration-prone, multi-drive chassis.

Environmentally conscious

In addition to being RoHS compliant, this generation of WD VelociRaptor also provides a halogen-free design.

Product Specifications

INTERFACE

SATA 6 Gb/s

FORM FACTOR

3.5-inch
(2.5-inch hard drive in a 3.5-inch mounting frame)

SPIN SPEED

10,000 RPM

CACHE

64 MB

MODELS

WD2500HHTZ
WD5000HHTZ
WD1000DHTZ

CAPACITIES

250 GB
500 GB
1 TB

LIMITED WARRANTY

5 years

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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 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.

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