

WD RE3

SATA Hard Drives

Massive Capacity
High Performance
Enhanced Reliability



The perfect solution for servers, storage arrays, video surveillance, and other demanding write-intensive applications.



Generation 3: 20% Faster, Unparalleled Reliability.

WD RE3 Enterprise SATA hard drives are packed with performance features including a SATA 3 Gb/s interface, up to 32 MB cache, and an ultra-fast dual processor. Enhanced reliability features, including fourth generation RAFF™ technology, make these drives the easy choice for servers, storage arrays, video surveillance, and other demanding write-intensive applications.

- **Massive capacity** – WD RE3 Enterprise SATA drives are available in capacities up to 1 TB.
- **High performance** – Dual-processor electronics deliver twice the processing power that results in a 20% performance improvement over the previous generation.
- **Enhanced reliability features** – A multi-axis shock sensor and fourth generation RAFF technology deliver enhanced reliability in vibration prone environments.
- **Thermal extended burn-in test** – Each drive is put through extended burn-in testing with thermal cycling to ensure reliable operation.

WD RE3 SATA Hard Drives

Key Features

- **StableTrac™** – The motor shaft is secured at both ends to reduce system-induced vibration and stabilize platters for accurate tracking during read and write operations. (750 GB and above)
- **RAFF** – Our fourth generation RAFF technology includes sophisticated electronics to monitor the drive and correct both linear and rotational vibration simultaneously in real time for up to a 60% performance improvement over the previous generation of drives operating in high vibration environments.
- **IntelliSeek™** – Calculates optimum seek speeds to lower power consumption, noise, and vibration in active seek modes without degrading performance.
- **Multi-axis shock sensor** – An additional third sensor has been added to automatically detect subtle high frequency shock events in all axis enabling compensation to protect the data.
- **RAID-specific, time-limited error recovery (TLER)** – Prevents drive fallout caused by the extended hard drive error-recovery processes common to desktop drives.
- **Third generation dynamic fly height** – Each read-write head's fly height is adjusted in real time for optimum reliability.
- **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.
- **Perpendicular Magnetic Recording (PMR)** – WD RE3 drives utilize PMR technology to achieve even greater areal density, reliability, and design margin.
- **5-year limited warranty**

Key Specifications

| | |
|-------------------|----------------|
| Interface: | SATA 3 Gb/s |
| Form Factor: | 3.5-inch |
| Spin Speed: | 7200 RPM |
| Cache: | 16 MB or 32 MB |
| Limited Warranty: | 5-year |

Capacities

250 GB, 320 GB, 500 GB,
750 GB, 1 TB

Model Numbers

WD2502ABYS, WD3202ABYS,
WD5002ABYS, WD7502ABYS,
WD1002FBYS



Western Digital, WD, the WD logo, and Put Your Life On It are registered trademarks in the U.S. and other countries; IntelliSeek, StableTrac, RAFF, and NoTouch, are trademarks of Western Digital Technologies, Inc. Other marks may be mentioned herein that belong to other companies. Pictures shown may vary from actual product. Not all products may be available in all regions of the world. All product and packaging specifications subject to change without notice.

© 2008 Western Digital Technologies, Inc. All rights reserved.

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.

2178-701099-A01 Ltr Aug 2008

