WD RE3

SATA Hard Drives

Massive Capacity
High Performance
Enhanced Reliability





The perfect solution for servers, storage arrays, video surveillance, and other demanding writeintensive 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

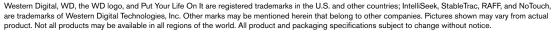
WD2502ABYS, WD3202ABYS, WD5002ABYS, WD7502ABYS, WD1002FBYS

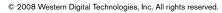












As used for storage capacity, one megabyte (MB) = one million bytes, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabit per second (Gb/s) = one billion bits per second.

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