



WD RE

SATA Hard Drives

**Best-in-class performance.
Low power consumption.
Enterprise-ready storage.**

High capacity

High performance

24x7 reliability

The 3.5-inch WD RE SATA drives offer the powerful combination of enterprise-class performance and highest capacity required for demanding high-performance computing and business-critical environments.



PUT YOUR LIFE ON IT®



WD RE

SATA Hard Drives



Product Features

Industry's highest capacity nearline drive

WD RE SATA hard drives are available in capacities up to 4 TB to suit even the most demanding storage needs.

Highest performance for business-critical applications

WD RE SATA delivers 6 Gb/s transfer rates, sustained sequential data rates up to 171 MB/s and high random I/O rates.

Designed for quality and reliability

With a field-tested 1.2 million hour MTBF, this high performance drive delivers the highest level of reliability for 24x7 operation in up to 100% duty cycle applications.

Dual processor

Twice the processing power to maximize performance.

Vibration protection

Enhanced RAFF™ technology includes sophisticated electronics to monitor the drive and correct both linear and rotational vibration in real time. The result is a significant performance improvement in high vibration environments over the previous generation of drives.

Dual actuator technology

A head positioning system with two actuators improves positional accuracy over the data track(s). The primary actuator provides coarse displacement using conventional electromagnetic actuator principles. The secondary actuator uses piezoelectric motion to fine tune the head positioning to a higher degree of accuracy. (2 TB and above)

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. (2 TB and above)

Multi-axis shock sensor

Automatically detects the subtlest shock events and compensates 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.

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.

Thermal extended burn-in test

Each drive is put through extended burn-in testing with thermal cycling to ensure reliable operation.

Dynamic fly height technology

Each read-write head's fly height is adjusted in real time for optimum reliability.

Product Specifications

INTERFACE	FORM FACTOR	SPIN SPEED	CACHE
SATA 6 Gb/s (FYYZ models) SATA 3 Gb/s	3.5-inch	7200 RPM	64 MB
MODELS	CAPACITIES	MTBF	LIMITED WARRANTY
WD4000FYYZ	4 TB	1.2 million hours	5 years
WD3000FYYZ	3 TB		
WD2000FYYZ	2 TB		
WD2003FYYZ	1 TB		
WD1003FBYX	500 GB		
WD5003ABYX	250 GB		
WD2503ABYX			

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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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