



WD Re™

Datacenter Capacity HDD

Durable capacity storage
for high-availability
deployments.

Maximum capacity

Heavy application workloads

24x7x365 reliability



WD Re datacenter hard drives offer up to 4 TB capacities, SAS or SATA interface, 24x7x365 reliability and the highest error tolerance and MTBF of any capacity-optimized drive. The combination of high-capacity, peak performance and robust design make WD Re drives ideal for heavy workload environments, cloud storage, RAID arrays, external storage arrays, data warehousing and mining applications.





WD Re

Datacenter Capacity HDD



Product Features

Industry's highest capacity nearline drive

Massive capacities up to 4 TB to suit even the most demanding datacenter or cloud storage needs.

Designed for heavy application workloads

Designed to handle up to 550 TB per year in any heavy application datacenter with the highest workload capabilities of any WD 3.5 hard drive.

Designed for quality and reliability

With up to 1.4 million hour MTBF, this high performance drive delivers durability and the highest level of reliability for 24x7x365 operation.

Dual processor

Twice the processing power to maximize performance.

StableTrac™

Reduces system-induced vibration and stabilize platters. (2 TB and above)

Dual actuator technology

A head positioning system with two actuators that improves positional accuracy over the data track(s).

Dual port, full duplex connectivity (SAS only)

Eliminates single points of failure, for high-availability mission-critical enterprise systems.

Multi-axis shock sensor

Automatically detects the subtlest shock events and compensates to protect the data.

Vibration Protection

Enhanced RAFF™ technology corrects both linear and rotational vibration in real time.

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.

RAID-specific, time-limited error recovery (TLER)

Prevents drive fallout caused by the extended hard drive error-recovery.

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.

The WD advantage

WD puts our datacenter products through Functional Integrity Testing (F.I.T) to ensure high quality and reliability standards. Following a FIT test the Enterprise System Group (ESG) testing validates interoperability with HBAs, operating systems and drivers for additional peace of mind.

Self-encrypting Drive (SED) Option

SAS Drive: Optional secure model for encrypting drives – Utilizing an AES 256 bit encryption engine for Crypto erase capability, WD supports the industry standard implementations of both the SCSI Sanitize command with Crypto Erase and the Trusted Computing Group (TCG) command set.*

SATA Drive: Optional secure model for encrypting drives – Utilizing an AES 256 bit encryption engine for Crypto erase capability, WD supports both the T13 Sanitize command and the ATA Password support of Secure Erase Unit (SEU).*

Environmentally responsible

In addition to being RoHS compliant, these drives are built with halogen reduced components.

Product Specifications

INTERFACE	FORM FACTOR	MTBF	SPIN SPEED	CACHE	LIMITED WARRANTY
SAS SATA	3.5-inch	1.4 million hours	7200 RPM	32 MB	5 years
MODELS				CAPACITIES	
SAS	SATA	SAS Security Drive	SATA Security Drive	SAS	SATA
WD4001FYYG	WD4000FYYZ	WD4001FDYG	WD4000FDYZ	1 TB	250 GB
WD3001FYYG	WD3000FYYZ	WD3001FDYG	WD3000FDYZ	2 TB	4 TB
WD200MFYYG	WD2000FYYZ	WD200FDYG	WD2000FDYZ	3 TB	
WD1001FYYG	WD2003FYYZ	WD1001FDYG	WD2003FDYZ	4 TB	
WD2001FYYG	WD1003FBYX	WD2001FDYG			
	WD5003ABYX				
	WD2503ABYX				

* SED drives may require TCG-compliant host or controller support. SED drives may not be available in all countries. Western Digital, WD, and the WD logo are registered trademarks in the U.S. and other countries; and StableTrac and RAFF 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. © 2013 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.