WD Se™
Datacenter Capacity HDD

Optimal storage for NAS and scale-out architectures

Cost-effective

24x7x365 reliability

Maximum capacity

WD Se datacenter capacity HDD is an ideal solution for scale-out architectures, delivering a cost-effective combination of performance, reliability, and workload capability, while maintaining the hardiness of a true enterprise-class design. WD Se is best suited for bulk cloud storage, replicated environments, content delivery networks (CDNs), large-scale network attached storage (NAS), backup, surveillance and archiving.

WD Se
Datacenter Capacity HDD

Se HDD Scalability

Product Features

Cost effective enterprise-class storage
Get the right blend of performance, reliability and capacity and keep your total cost of ownership low.

24x7x365 reliability
Specifically designed for SMB to high-end NAS and large-scale datacenter replication environments running 24x7x365.

Dual processor
Twice the processing power to maximize performance.

Dual port, full duplex connectivity (SAS only)
Offers higher reliability, performance and data availability by eliminating single points of failure, designed for high-availability mission-critical enterprise systems.

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

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.

Vibration Protection
Enhanced RAFF™ technology includes sophisticated electronics to monitor the drive and correct both linear and rotational vibration in real time.

RAID-specific, time-limited error recovery (TLER)
Prevents drive fallout caused by the extended hard drive error-recovery processes common to desktop drives.

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

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

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.

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

The WD advantage
WD puts our datacenter products through Functional Integrity Testing (F.I.T) to ensure our products consistently meet our high quality and reliability standards. Then the Enterprise System Group (ESG) testing, validates interoperability with HBAs, operating systems and drivers.

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).*

* SED drives may require TCG-compliant host or controller support. SED drives may not be available in all countries

Product Specifications

INTERFACE	FORM FACTOR	SPIN SPEED	CACHE		
SATA 6 Gb/s	3.5-inch	7200 RPM	64 MB 128 MB (1 TB model only)		

MODELS	CAPACITIES	MTBF	MTBF (1-5 BAY NAS)	LIMITED WARRANTY
WD4000F9YZ	4 TB	1,000,000 hours	1,200,000 hours	5 years
WD3000F9YZ	3 TB	1,000,000 hours	1,200,000 hours	
WD2000F9YZ	2 TB	1,000,000 hours	1,200,000 hours	
WD1002F9YZ	1 TB	800,000 hours	1,000,000 hours	