



# WD Ae™

## Datacenter Archive HDD

The cost-effective,  
energy-efficient HDD  
cold storage solution.

Energy efficient

Proven cold storage reliability

Cost-effective, high-capacity storage



WD Ae delivers cost-effective, high-capacity, disk-layer storage for cold-data archive systems. These drives are built with features that address the unique requirements of cold-data archiving, including WD's innovative Progressive Capacity™, an energy-efficient design, long lifecycle TCO and best-in-class dollars per gigabyte.





# WD Ae

## Datacenter Archive HDD



### Product Features

#### Energy efficient

Reduced medial spin lowers power consumption and optimizes the drive's read/write ratio for the rigid requirements of cold storage systems.

#### Proven cold storage reliability

With 700 PBs of cold storage deployed in datacenters already,\* WD's 4th generation WD Ae utilizes innovative technology to reduce power consumption and lower operating temperature, which results in a more reliable and affordable solution for cold storage data archives.

*\*Data reflects archive drive shipments as of August 2014.*

#### Cost-effective capacity storage

Moving cold data to value-optimized archive media delivers significant TCO savings by freeing up expensive performance-critical storage system capacity.

#### Progressive Capacity

As technology and process mature over time in the manufacturing process incremental capacity increases are realized. WD's innovative Progressive Capacity model allows distribution of these incrementally higher capacity models taking advantage of their full capacity, 6.5 TB for instance.

#### Cold data power management

Best-in-class power management, reduced heat output, and next-generation technologies such as IntelliSeek™ combine to deliver a balance of performance and power perfect for cold data archive storage architectures.

#### Quick to ready

Access time to cold data is quickly becoming a critical feature of an on-line archive system and end users can't wait days, weeks or months for this data to become available. The spin-down capability of WD Ae provides much faster access times than conventional archive tape with data access times of less than 20 seconds for on-demand data requests.

#### 3D Active Balance™ Plus

Our enhanced dual-plane balance control technology significantly improves the overall drive performance and reliability. Hard drives that are not properly balanced may cause excessive vibration and noise in a multi-drive system, reduce the hard drive life span, and degrade the performance over 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.

#### Dual actuator technology

A head positioning system with two actuators that 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.

#### 24x7 dedicated customer support

Every WD Ae hard drive comes with our world-class professional support services including a dedicated 24x7 support line (available in English, other regional support hours vary) and a 3-year limited warranty.

### Product Specifications

<b>INTERFACE</b> SATA 6 Gb/s	<b>FORM FACTOR</b> 3.5-inch	<b>SPIN SPEED</b> 5760 RPM	<b>CACHE</b> 64 MB
<b>MODELS</b> WD600VF4PZ	<b>MEAN CAPACITY</b> 6.x TB	<b>MTBF</b> 500,000 hours	<b>LIMITED WARRANTY</b> 3 years

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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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