

WD RE4-GP

Power-saving Hard Drives

Faster Performance
Reduced Power Consumption
Lower Cost of Ownership



Ideal for large data centers, web service providers, commercial grade surveillance systems and organizations requiring huge amounts of storage.



Faster and Greener.

This new generation of WD RE-GP drives takes advantage of the performance improvements offered in our WD RE3 family of drives and adds advanced power management technology to deliver a faster, greener solution for large-scale data centers.

- **Faster** – 64 MB cache, dual processors, and increased areal density yield twice the processing power results up to a 25% performance improvement over the previous generation.
- **Greener** – Improvements in our power-conserving technologies – IntelliSeek™, IntelliPark™, and IntelliPower™ – deliver improved power consumption over our previous generation of WD RE-GP drive.
- **Improved rotary vibration tolerance** – Optimized drive mechanics, system characterization, and process validation yields unmatched performance in high vibration environments.
- **Lower total cost of ownership** – Large data-hungry organizations such as financial institutions and web service providers may realize up to \$10 savings per drive per year in electricity costs (U.S.). A large data center with 10,000 drives could realize up to \$100,000 in saving per year.

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Key Features

- **24x7 reliability** – With 1.2 million hours MTBF, these drives have the highest available reliability rating on a high-capacity drive.
- **IntelliPower** – A fine-tuned balance of spin speed, transfer rate, and caching algorithms designed to deliver both significant power savings and solid performance.
- **IntelliSeek** – Calculates optimum seek speeds to lower unnecessary power consumption, noise, and vibration.
- **IntelliPark** – Delivers lower power consumption by automatically unloading recording heads during idle to reduce aerodynamic drag, and by disengaging read/write channel electronics.
- **Active Power Management** – WD drives with GreenPower™ technology monitor work load and automatically invoke idle mode whenever possible to further reduce unnecessary power consumption. Drive recovery time from idle mode is less than one second, providing seamless power management between the drive and the host controller.
- **StableTrac™** – Secures the motor shaft at both ends to reduce system-induced vibration and stabilize platters for accurate tracking, during read and write operations.
- **RAID-specific time-limited error recovery (TLER)** – Pioneered by WD, this feature prevents drive fallout caused by the extended hard drive error-recovery processes common to desktop drives.
- **Rotary Acceleration Feed Forward (RAFF™)** – Optimizes operation and performance when the drives are used in vibration-prone multi-drive systems such as rack mounted servers.

Key Specifications

Interface:	SATA
Form Factor:	3.5-inch
MTBF:	1.2 million hours
Limited Warranty:	5-year

Capacities

2 TB

Model Numbers

WD2002FYPS



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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.

