WD2003FZEX

WD CAVIAR RAID EDITION 4 - 2TB

Product Overview

Western Digital RE4 7200 Series - 2TB Serial ATA II - Serial ATA 3Gbps With 64MB Cache @ 7200RPM - NCQ



Specifications

Overview:
WD RE4 enterprise SATA hard drives combine 64 MB cache with dual processors and dual stage actuation for lightning-fast performance in demanding server and storage applications. Technologically advanced acoustics minimize noise. Cool drive operation and enhanced reliability features help protect the drive and the data stored on it.

Features:

- Massive capacity - WD RE4 Enterprise SATA drives are available with up to 2 TB's of cavernous capacity.
- 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. (2 TB model only)
- Dual processor - With double the processing power, WD RE4 boasts the highest performance of any drive in the WD RE family.
- 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.
- RAFF - 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.
- IntelliSeek - Calculates optimum seek speeds to lower unnecessary power consumption, noise, and vibration.
- 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.
- Third generation dynamic fly height - 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.

- Perpendicular Magnetic Recording (PMR) - WD RE4 drives utilize PMR technology to achieve even greater areal density, reliability, and design margin.
- Active Power Save - Delivers best-in-class power consumption through advanced WD firmware that conserves power in active seek modes without degrading performance.

Specifications:

Performance Specifications	
Rotational Speed	7, 200 RPM (nominal)
Buffer Size	64 MB
Load/unload Cycles	600, 000 minimum
Transfer Rates	
Buffer To Host (Serial ATA)	3 Gb/s (Max)
Physical Specifications	
Formatted Capacity	2, 000, 398 MB
Capacity	2 TB
Interface	SATA 3 Gb/s
User Sectors Per Drive	3907029168
Physical Dimensions	
English	
Height	1.028 Inches
Depth	5.787 Inches
Width	4.00 Inches
Weight	1.66 Pounds
Metric	
Height	26.1 mm
Depth	147 mm
Width	101.6 mm
Weight	0.75 kg
Environmental Specifications	
Shock	
Operating Shock (Read)	30G, 2 ms
Non-operating Shock	300G, 2 ms
Acoustics	
Idle Mode	29 dBA (average)
Seek Mode 0	34 dBA (average)
Seek Mode 3	30 dBA (average)
Temperature (English)	
Operating	41 degrees F to 131 degrees F

Non-operating	-40 degrees F to 158 degrees F
Temperature (Metric)	
Operating	5 degrees C to 55 degrees C
Non-operating	-40 degrees C to 70 degrees C
Electrical Specifications	
Current Requirements	
12 VDC	
Read/Write	675 mA
Idle	510 mA
Standby	45 mA
Sleep	45 mA
5 VDC	
Read/Write	525 mA
Idle	405 mA
Standby	185 mA
Sleep	185 mA
Power Dissipation	
Read/Write	10.70 Watts
Idle	8.10 Watts
Standby	1.50 Watts
Sleep	1.50 Watts

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx-computers.co.za/WD2003FZEX-WD-CAVIAR-RAID-EDITION-4-2TB-p-114072.php

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