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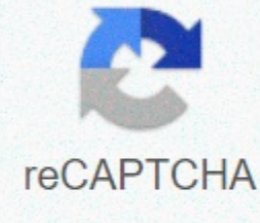
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The most popular reviews are Seagate BarraCuda, 1 TB, Disco Doro Interno, HDD, 3.5, SATA 6 GB/s, 7200 .m, 64 MB, caché para ordenador de sobremesa y PC (ST1000DM010) 4.5 de un mÃ ximo de 5 estrellas 17.451 22 ofertas desde 22.80Â â¬'Seagate IronWolf, 4TB, NAS, Disco-doro-interno, hard drive, CMR 3.5 SATA 6 Gb / s, 5900 r.p.m., caché de 64 MB para almacenamiento conectado red RAID (ST4000VN008) 4.5 de un mÃ] ximo de 5 estrellas 1.634 31 ofertas desde 123.00Â â¬ WD Green WD20EARS - Hard Drive - 2 TB - SATA 3Gb / s | Overall interface WD20EARS-00MVWB0 provided extensions and connections 1 x SATA 3 GB/s - 7 pcs Serial ATA Hard Drive Advanced technology format, Technology GreenPower, IntelliPower, IntelliSeek, NoTouch ramp load technology Form factor (short) (metric) Performance Environmental parameters Min Operating temperature Max Operating temperature Storage hard disk Header Bay Required sizes &amp; Weight Support &; Support Details Reliability Manufacturer Western Digital Corp. Item #: WD20EARS-00MVWB0 Condition: Refurbished Request Quote Below to see price Product description Compatible model Product description Product description Capacity 2000GB/2TB Speed 5400 RPM Cache 64 MB SATA interface 3.0Gbps Form Factor 3.5 HdD drive type Notes Green Series Compatible models purchased by this product earlier? Write a RoHS-compatible inspection temperature sensor, hot swap, Low noise, shock resistantCurrent slide {CURRENT_SLIDE} of {TOTAL_SLIDES}- Best sales on internal hard drives4.7 out of 5 stars based on 7 product ratings(7)5.0 out of 5 stars based on 39 product ratings (39)4.5 of 5 stars based on 19 rating products (19)4.9 out of 5 stars based on 14 product ratings(14)No ratings or reviews yet4.8 of 5 stars based on 495 product ratings (495)4.8 out of 5 stars based on 23 product ratings(23)This item does not belong to this page. Thank you, we'll look at it. GreenPower's GreenPower technology, Green WD20EARS Western digital caviar gives lower operating temperatures to improve reliability and low acoustics for ultra-efficient PCs and external drives. Power consumption reductionConnected with IntelliSeek, NoTouch and IntelliPower technologies, Western Digital Caviar Green WD20EARS reduced power consumption to 40 percent compared to standard desktop drives. The SATA 3.0 Gb/s Western Digital Caviar Green WD20EARS interface has a SATA II interface that supports 3.0 Gb/s data transfer speed, native command queue (NCQ) and hot connection connections from point to point for optimal performance, efficiency, convenience and flexibility. Perpendicular magnetic recordingPerpendicular magnetic recording technology allows the leading power industry in existing standard form factors and increases performance by increasing data density while reducing moving parts increase the increase in TechnologyHide digital caviar Green WD20EARS has StableTrac technology to provide the engine shaft at both ends, reducing the vibration caused by the system, and stabilizing plates for accurate tracking, during reading and recording operations. If you're the kind of user who wants it all - performance, low power consumption, and abundant storage capacity - in one desktop drive, pay attention. Whether you're making storage purchases to fill a home media server, or you're just looking to maximize the capacity of your current desktop, the latest highly emotional, low-end drives - like the 2TB Western Digital Caviar Green to view today - make a lot of sense for the kinds of computing most of us do. If you're the kind of user who wants it all - performance, low power consumption, and abundant storage capacity - in one desktop drive, pay attention. Whether you're making storage purchases to fill a home media server, or you're just looking to maximize the capacity of your current desktop, the latest highly emotional, low-end drives - like the 2TB Western Digital Caviar Green to view today - make a lot of sense for the kinds of computing most of us do. With the concession to current branding trends, manufacturers have sought to promote the environmental friendliness of storage in this category. But while these drives use less energy (in some cases, significantly less) than their high-energy peers, the compromises reached in the interests of green make them attractive options all around for general use. Cheaper price points than top performance drives, lower operating costs and high capacity are the name of the game here, and over the next few weeks we'll be dissipated by the relative benefits of the best contenders in the eco-drive workspace from Samsung, Seagate and (of course) Western Digital. Aesthetics Western digital caviar Green 2TB (aka WD20EARS) is the current top shelf storage system in the manufacturer's line of environmentally conscious caviar Green discs, a 2.0 TB sports storage capacity and a 64 MB cache. Visually, the 3.5-inch form factor-drive looks almost identical to caviar devices in other colors (and for most other consumer and business class desktop drives). WD slightly cleans the look with black adhesive dots that cover the drive mount - a visual finishing touch that we've also seen on WD Caviar Black discs. In fact, with the exception of the green label used here (which carries disk identification information), WD20EARS is a dead ringer for a member of the Caviar Black device families. The WD20EARS disassembly is built on a familiar WD Caviar project that uses heat producers in contact with the drive casing to assist in the dispersant. The board sits on top of the rib-absorbing Lining. It is held on the spot with Torx screws. The board layout is largely identical to the Caviar Black discs, and the WD20EARS goes so far as to share the SMOOTH L7251 3.1 engine controller with its high-speed cousin. The heart of Green's Western Digital Caviar is the Marvell 88i9045-TFJ2 controller's chip, paired with the 64MB Hynix DDR400 memory module. Advanced format You will not be able to see it by taking the disc, but another important change lurks under the hood of WD20EARS: Advanced format. WD20EARS, along with the 1TB WD10EARS companion, are the first 3.5 drives to hit the market with Western Digital's new formatting structure, which divides the drive into 4,096-byte sectors instead of the smaller 512-byte sectors used in the current drive technology. Advantage? Smaller, larger sectors mean less disk space dedicated to lead and intersectoral gaps, allowing for increased formatting efficiency in the high 90% range, and space usage increasing by more than 10%. In short, this is a way to get more actual storage space from the same physical drive. While larger sectors make sense to combat reduced profits from using space as drives grow in size, it's worth noting that not all operating systems support this new technology. Windows users (including WHS users) from Vista forward should have no problem, and the latest versions of Mac OS X and Linux reportedly handle 4K sectors without third-party software. However, if you are using XP, keep in mind that you will have to use a software solution (WD comes with a WD Align tool that provides 512 bytes emulsion) to get optimal performance, and you will have to be even more creative in fixing together a workable solution if you happen to use Windows Home Server 2003. We tested displays of a specific drive in a number of environments, including a dedicated Linux server running Ubuntu 10.04, a Synology DS410j home server and inside Windows 7 seamlessly related to 4K. Tests To properly evaluate the performance of Caviar Green's largest drive, we rated the drive against its most direct competitors: 2 TB of low disk power from Samsung and Seagate. In the case of WD, we've executed all benchmarks using both the 512B traditional formatting sector and the 4K Advanced Format sector when it's practical. Note that optimum performance on 2TB Caviar Green is observed only when tests are aligned for reading and recording 4K. In order to get basic performance (and provide the best data speed scenario) we have rated Caviar Green's performance in a consistent 2MB transmission test conducted through MetlOer. Under ideal conditions, there is very little to distinguish between the performance of these three drives. In addition, Green caviar works equally well in 512B and 4K formats, almost identical transmission numbers in both modes. CrystalDiskMark tests disks inside the system using The NTFS section, but the underlying results confirm what we saw in IOMeter testing: Caviar Green is made up somewhere nearly dead center between competitors Seagate and Samsung in almost every test. To collect data that more accurately simulates the use of the real world, we use tests to read and record IOMeter 2MB and 4K. As in a consistent test, random 2MB reading operations put Green caviar (in any mode) somewhere between a fast Seagate Barracuda LP and a much more moderate Samsung Spinpoint, although WD20EARS clocks the best reading speeds of the group. Performance in random 4K tests is less impressive, and Green caviar lags behind regardless of configuration. However, while read speeds were consistently high, regardless of whether the extended format was used, the speed and volume of recording operations decreased significantly when 4K-aligned transmission requests were not sent. In sector format mode, the 4K drive was the top performer, paddling with Seagate Barracuda LP in both average and maximum timing. Switching the disk to 512B emulsion significantly slows down. Among other uses, Caviar Green is the perfect choice to use on home or small business servers. With this in mind, we used IOMeter to compare disk multiplayer performance in four main scenarios: database, workstation, web server, and file server. On average, Green's caviar held its own (if rarely surpassed) in these tests, steadily building speed as the number of requests increased. Power consumption Initially launched as a GreenPower lineup a few days before the current WD branding scheme, Caviar Green's drives use several energy-saving features - primarily the IntelliPower engine, which is designed to rotate at an efficient speed while still providing quick access to the disk through the use of custom caching and access algorithms. This composition is designed to offer the best of both worlds; modest power consumption and good drive performance. The table below compares Caviar Green's power consumption with two proven rivals in several situations. The above comparisons are interesting for a number of reasons. In terms of overall power draw (achieved by combining watt measurements with 5V and 12V rails of each drive), Caviar Green was the most wallet-friendly of the three during both random and consistent reading activity, but consumed more power than its competitors while recording activities and idling (where the draw is from the 5V rail that usually feeds the board components , was noticeably higher). Despite the aforementioned variational spindle speed, the drive's starting numbers also didn't impress, drawing heavy loads as 5V and 12V rails that put Green caviar much higher power by sipping Samsung Spinpoint during this operation. Western Digital's warranty covers WD20EARS with a three-year warranty - roughly on average for devices in this class, but not the widespread five-year coverage that WD offers on its Caviar Black and Raptor performance drives. Western Digital's conclusion helped pioneer the green drive segment, and green drive's top-end caviar sports a lot of cutting-edge technology: IntelliPower variable spindle speed, 64MB cache, and Advance Format for greater space use. The wow factor associated with some of these innovations, however, is partly mitigated by the overall average disk performance - in terms of both speed and energy consumption - compared to other competitors in this space. Overall, Green's caviar was rarely at the bottom of our performance rankings, but we expected a few more better finishes from this rich leader in environmentally friendly storage. Pros: Generally solid, if inconscerable, performance Supports next-generation 4K sector formatting cons: Typically solid, if inconscerionable, performance Heavy hand energy use in some situations The advance format bottom line can be a big attraction for some. Otherwise, Caviar Green is a good, if not always top tier, low power performer. 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