Western Digital Caviar Green (1TB)

Serial ATA-300

SATA, or Serial ATA is the current popular choice of hard drive interface for desktop systems. SATA-300 is the current standard, and is capable of transferring 300 Megabytes per second. While SCSI drives are capable of faster transfer speeds, the drives, bus controller, and cables are much more expensive, relegating their use to servers and applications where transfer speed is an absolute must. Note that if you are shopping for an upgrade to a system that is a couple of years old, it may not support SATA-300, and not operate at it's full potential. If it is any older than that, it may not support the SATA standard at all, and you should check your system's specifications for details.

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  Manufacturer: Western Digital Corp.
- **Part Number:**WD10EARS

General

- **Device Type** Hard drive - Internal hard drive
- **Width** 4 in
- **Depth** 5.8 in
- **Height** 1 in
- **Weight** 1.3 lbs

Hard Drive

- **Form Factor** 3.5" x 1/3H
- **Capacity** 1 TB
- **Interface Type** Serial ATA-300
- **Buffer Size** 64 MB
- **Features** StableTrac,
  Perpendicular Magnetic Recording (PMR),
  GreenPower technology,
  Native Command Queuing (NCQ),
  NoTouch ramp load technology,
  IntelliSeek,
  IntelliPower
- **Compliant Standards** S.M.A.R.T.

Performance

- **Drive Transfer Rate** 300 MBps
- **Internal Data Rate** 111 MBps
- **Spindle Speed** 5400 rpm

Reliability

- **Storage Hard Drive / Non-Recoverable Errors** 1 per 10^15
- **Start / Stop Cycles** 300,000

Storage Controller

- **Type** None

Expansion / Connectivity

- **Interfaces** 1 x Serial ATA-300 - 7 pin Serial ATA
- **Compatible Bays** 1 x Internal - 3.5" x 1/3H
- **Compatible Slots** x None

Miscellaneous

- **Compliant Standards** RoHS

Manufacturer Warranty

- **Service & Support** 3 years warranty
- **Service & Support Details** Limited warranty - 3 years

Environmental Parameters

- **Shock Tolerance** 300 g @ 1ms (non-operating)