

Product Overview

LD25 SERIES

20, 40, 60 and 80GB disc drives

Big capacity in a small form factor for video-game consoles and other technology appliances

Features and Benefits

- 2.5-inch form factor enables smaller computing and consumer electronics systems.
- Whisper-quiet operation delivers pure enjoyment of digital media.
- Power consumption specs are ideal for low-power systems and add-on storage device requirements.

Key Specifications

- 500 Gs nonoperating robustness
- 2.7 bels seeking acoustics (typical)
- 1 amp startup current, as low as 2.3 watts typical operating current



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Product Description

Small is, as they say in the fashion world, *the next black*. Today's home technology must come packaged in system designs that fit style criteria as much as they support technology requirements. Increasingly, this means smaller, thinner, lighter systems that require smaller form factor hard disc drives.

Until now, companies had to make a hard choice between implementing small form factor hard drives and delivering cost-effective solutions. With the new Seagate® LD25 Series hard drives, manufacturers can utilize the small, slim 2.5-inch form factor without the cost of features designed for notebook PCs and other mobile applications.

The new LD25 Series drive delivers up to 80GB of storage in a form factor that will enable continued innovation in household technology system design. Manufactured specifically for technology appliances, such as video-game consoles, DVRs and low-profile computing devices, the LD25 Series drive offers quiet operation, low power requirements and reliable performance for digital media and data applications.

Additional Features

- Backward compatible with chipsets using legacy DMA modes
- Thin SATA cables and small connector add to the space-saving abilities of LD25 Series.

New Customer Requirements

Specifications	
Capacity (GB)	40, 80
Capacity, Video-Game Consoles Only (GB)	20, 60
Interface	PATA, SATA
Spindle Speed (RPM)	5400
Cache (Mbytes)	2
Acoustics, Operating (typical, bels)	<2.7
PATA Power, Startup/Operating (typical)	1.0A/2.3W (+5V DC)

The LD25 Series hard drive, based on the mature Seagate 2.5-inch drive platform, offers the industry's best solution for new technology appliances:

- Storage for video-game consoles, including embedded drives and add-on storage bays, that cache online and local game-play data, download games from online stores and even deliver digital audio and video entertainment
- Low-power, low-profile computing applications and Internet appliances
- Small form factor DVRs and video modules for in-chassis media storage

Because many household technology systems exclude the use of fans, the chassis must be carefully designed to maximize airflow for increased reliability, decrease performance-sapping operating vibration, and strictly control power usage. Seagate Design Service Centers are already actively engaged with the designers of this new breed of household appliance, enabling the *small* revolution with system design and technology services.

Compatibility

The LD25 Series hard drive is compatible with systems interfacing with standard parallel and serial ATA devices. It is also compatible with legacy DMA and PIO modes used by low-cost motherboards.

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