

PRODUCT OVERVIEW

LD25 Series

20- and 40-Gbyte disc drives

Big capacity in a small form factor for stationary applications, such as videogame consoles, DVRs and low-profile computing systems



KEY 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

- 20- and 40-Gbyte capacities
- 2.7 bels operating acoustics (typical)
- 1-amp startup current, as low as 2.3 watts typical operating current

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THE SEAGATE ADVANTAGE

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 introduction of the Seagate LD25 Series, manufacturers can now utilize the small, slim form factor of 2.5-inch drives without incurring the cost burden of features designed for notebook PC and other mobile applications.

The new LD25 Series, with its "Low-profile Design," delivers up to 40 Gbytes of storage in a form factor that will enable continued innovation in household technology system design. Manufactured specifically for stationary applications, such as videogame consoles, DVRs and low-profile computing devices, the LD25 Series offers quiet operation, low power requirements, and reliable performance for digital media and data.

NEW CUSTOMER REQUIREMENTS

The LD25 Series, based on the mature Seagate 2.5-inch platform, offers the industry's best solution for a new breed of household technology applications.

- Storage for videogame consoles, including embedded drives and add-on storage bays
- Low-power, low-profile computing applications and Internet appliances
- Small form factor DVRs and video modules for in-chassis storage

Many small household system designs exclude the use of fans. In this case, the chassis will require careful design 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.

SPECIFICATIONS

Capacities (Gbytes)	20, 40
Interface	PATA, SATA
Spindle Speed (RPM)	5400 RPM
Cache (Mbytes)	2
Acoustics, Operating (typical, bels)	<2.7
PATA Power, Startup/Operating (typical)	1.0A/2.3W (+5V DC)

ADDITIONAL FEATURES

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

COMPATIBILITY

The Seagate LD25 Series 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.

ENABLING NEW OPPORTUNITIES

Small form factor applications are growing in number. Videogame consoles are increasingly implementing add-on storage. PC case manufacturers continue to produce innovative new designs utilizing small hard drives. Set top boxes are continually refined for style and function, and some TV chassis are even experimenting with storage embedded into the chassis. The LD25 Series will meet the needs of OEMs designing these and other stationary household systems.

For more information, go to www.seagate.com

Storage Segments

Network Storage

Server Storage

High-Density Storage

Nearline Storage

Low-Cost Server

PC Commercial

PC Consumer

Notebook

Automotive

DVR

Gaming/Audio/Other

Government

Handheld

