

Data Sheet

LD25.2 Series

Ideal combination of capacity and size for leading-edge game consoles, low-profile DVRs and small-footprint computing applications

**40 GB and 80 GB • 2.5 Inch • Low Profile •
Low Power • SATA, PATA**

Key Advantages

- Sweet-spot capacities, 40 GB and 80 GB, to enable a range of applications
- Small footprint (2.5-inch form factor) to enable cutting-edge industrial designs
- Cost-optimized to provide a better value for stationary applications
- Whisper-quiet operation to deliver pure enjoyment of digital media
- Power efficiency to enable low-cost power designs and enhance thermal management

Best-Fit Applications

- Stationary videogame consoles
- Low-profile digital video recorders (DVR)
- Small-footprint computing devices
- Printers/copiers/scanners
- Kiosks/POS devices/ATMs/other embedded system devices
- Stationary external storage devices



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Ideal for Space-Constrained Designs Where Power Consumption, Acoustics, and Reliability Matter

- Provides 2.5-inch storage options without the cost burden of drives designed for notebook PCs or other mobile applications
- Runs cooler and requires less power than desktop drives for less than the cost of notebook drives
- SATA interface with Native Command Queuing (NCQ), like both desktop and notebook
- SoftSonic™ motors and quiet-seek profiles for whisper-quiet operation

Seagate Makes the Best Even Better With a 5-Year Limited Warranty

Seagate® offers the industry's leading warranty to demonstrate our commitment to product reliability and our customers' success. Every Seagate brand internal hard drive is covered under our unprecedented 5-year limited warranty.

Seagate Global Customer Support

- Get presales and technical support at support.seagate.com.
- Visit our knowledge base for answers to common support questions.
- Find documentation for current and legacy drives.
- Utilize our online troubleshooting and diagnostic tools.
- Download DiscWizard™ to help migrate data from an older drive.
- Seagate also offers multi-lingual phone, email and chat support.
- Seagate Design Service Centers (DSC) help companies transform innovative ideas into viable products.

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1-800-SEAGATE (1-800-732-4283)

Specifications	80 GB ¹	40 GB ¹
Model Number	ST980210A ST980210AS	ST940210A ST940210AS
Interface Options	ATA SATA 1.5Gb/s NCQ	ATA SATA 1.5Gb/s NCQ
Performance		
Internal Data Transfer Rate (MB/s)	40	40
Cache (MB)	2	2
Average Latency (msec)	5.6	5.6
Spindle Speed (RPM)	5400	5400
Configuration/Organization		
Heads/Disks ²	2/1	1/1
Bytes per Sector	512	512
Reliability/Data Integrity		
Load/Unload	50,000	50,000
Nonrecoverable Read Errors per Bits Read	10E14	10E14
Annualized Failure Rate (AFR)		
Desktop, Gaming, 2400 POH	<0.6%	<0.6%
DVR, 8760 POH	<2.0%	<2.0%
Limited Warranty (years)	5	5
Power Management		
Power Management (W)		
Seek Avg	2.9 SATA, 2.3 PATA	2.9 SATA, 2.3 PATA
Idle Avg	2.5 SATA, 2.0 PATA	2.5 SATA, 2.0 PATA
Environmental		
Temperature (°C)		
Operating	0 to 60	0 to 60
Nonoperating	-40 to 70	-40 to 70
Shock		
Operating: 2 msec (Gs)	175	175
Nonoperating: 2 msec (Gs)	500	500
Acoustics (bels—sound power)		
Idle	2.4	2.4
Seek	2.7	2.7
Physical		
Height (mm)	9.5	9.5
Width (mm)	69.85	69.85
Depth (mm)	100.2	100.2
Weight (gm)	100	100

¹One gigabyte, or GB, equals one billion bytes when referring to hard drive capacity.

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